FIG. 1

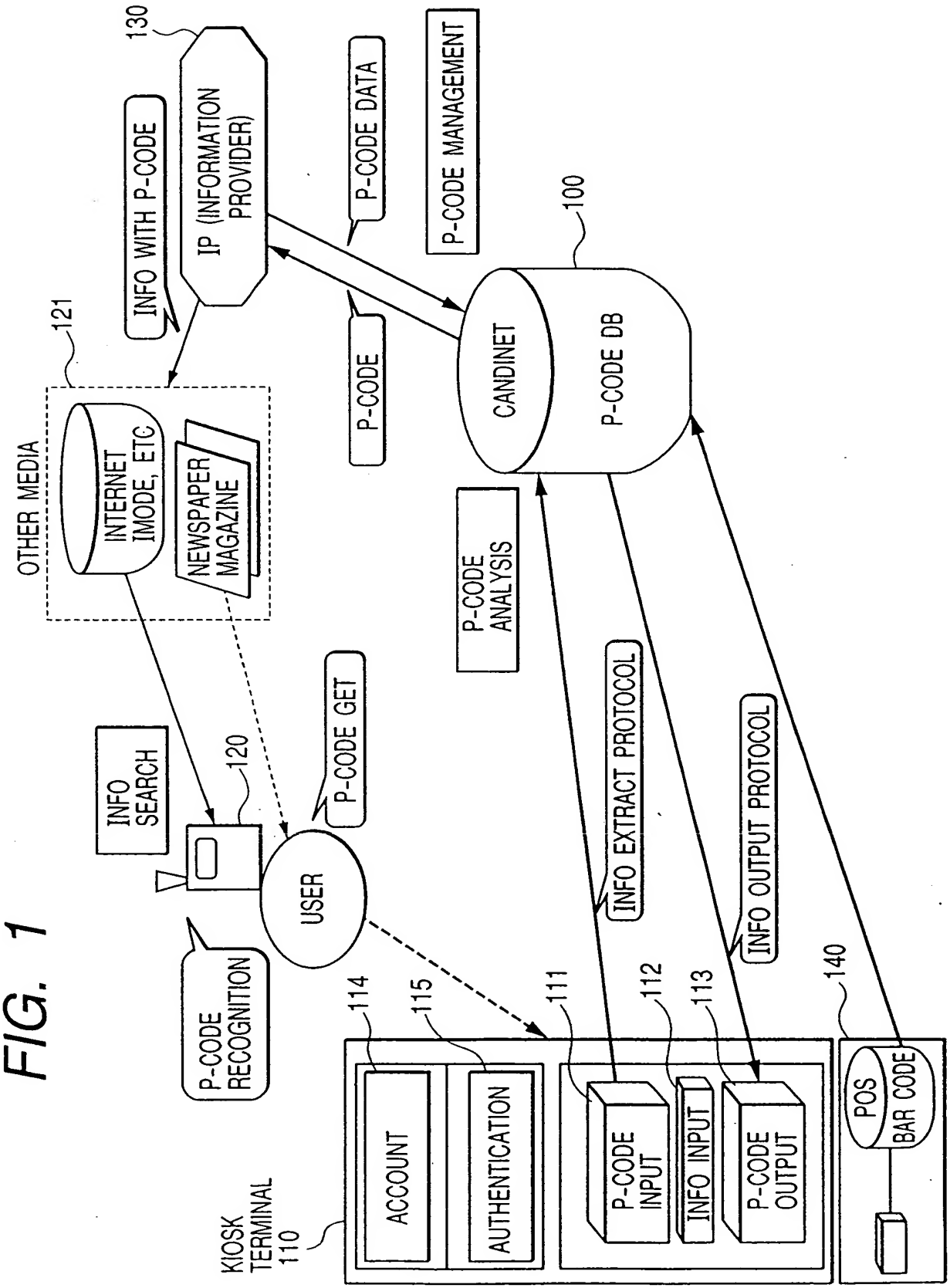

130
IP (INFORMATION PROVIDER)
INFO WITH P-CODE
P-CODE DATA
P-CODE MANAGEMENT
121
OTHER MEDIA
INTERNET IMODE, ETC
NEWSPAPER MAGAZINE
P-CODE
CANDINET
P-CODE DB
100
P-CODE ANALYSIS
INFO SEARCH
120
P-CODE GET
USER
INFO EXTRACT PROTOCOL
INFO OUTPUT PROTOCOL
P-CODE RECOGNITION
114
115
111
112
113
140
KIOSK TERMINAL 110
ACCOUNT
AUTHENTICATION
P-CODE INPUT
INFO INPUT
P-CODE OUTPUT
POS
BAR CODE

FIG. 2

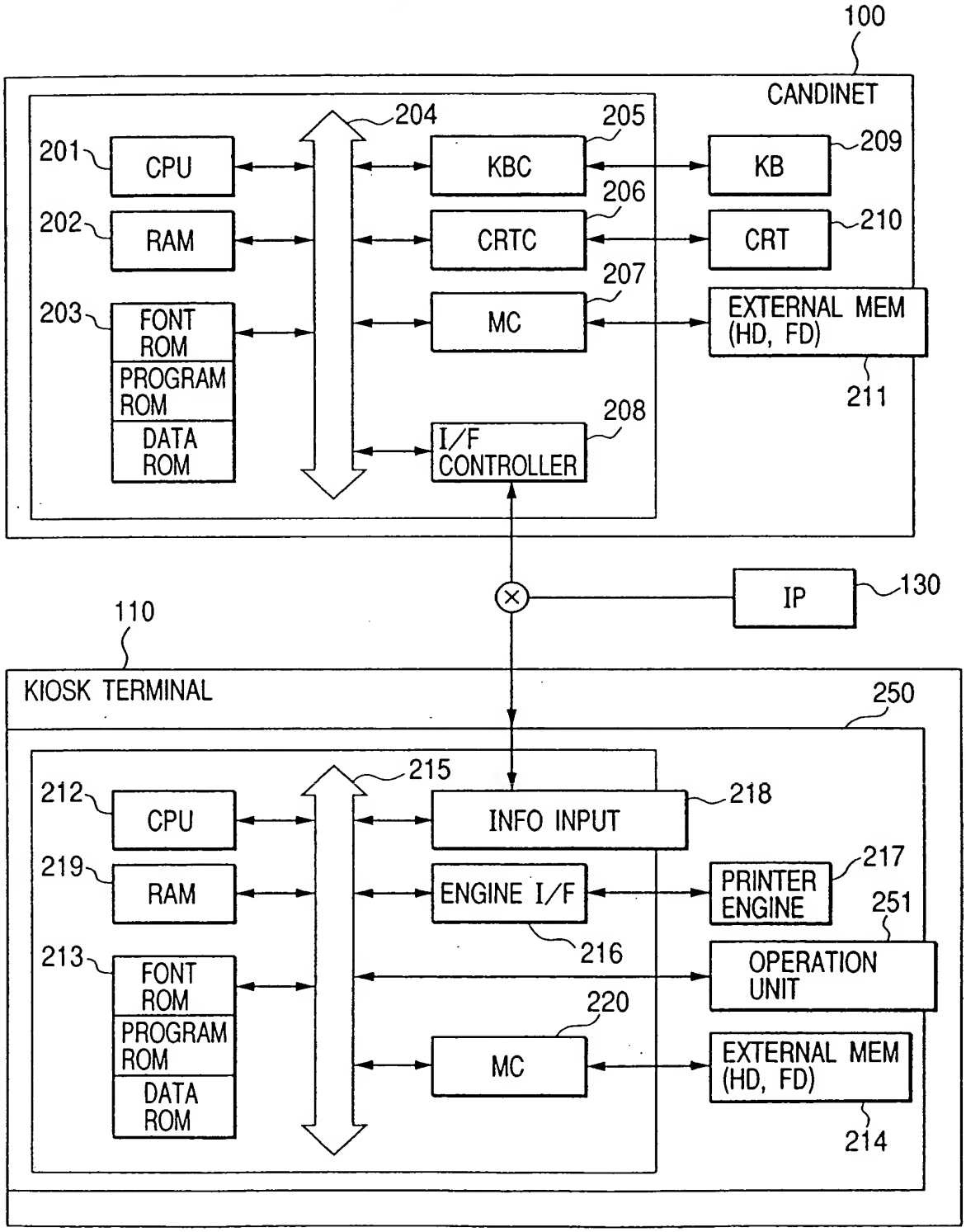

100
CANDINET
201
CPU
202
RAM
203
FONT ROM
PROGRAM ROM
DATA ROM
204
205
KBC
206
CRTC
207
MC
208
I/F CONTROLLER
209
KB
210
CRT
EXTERNAL MEM (HD, FD)
211
IP
130
110
KIOSK TERMINAL
250
212
CPU
219
RAM
213
FONT ROM
PROGRAM ROM
DATA ROM
215
218
INFO INPUT
ENGINE I/F
216
217
PRINTER ENGINE
251
OPERATION UNIT
220
MC
EXTERNAL MEM (HD, FD)
214

FIG. 3

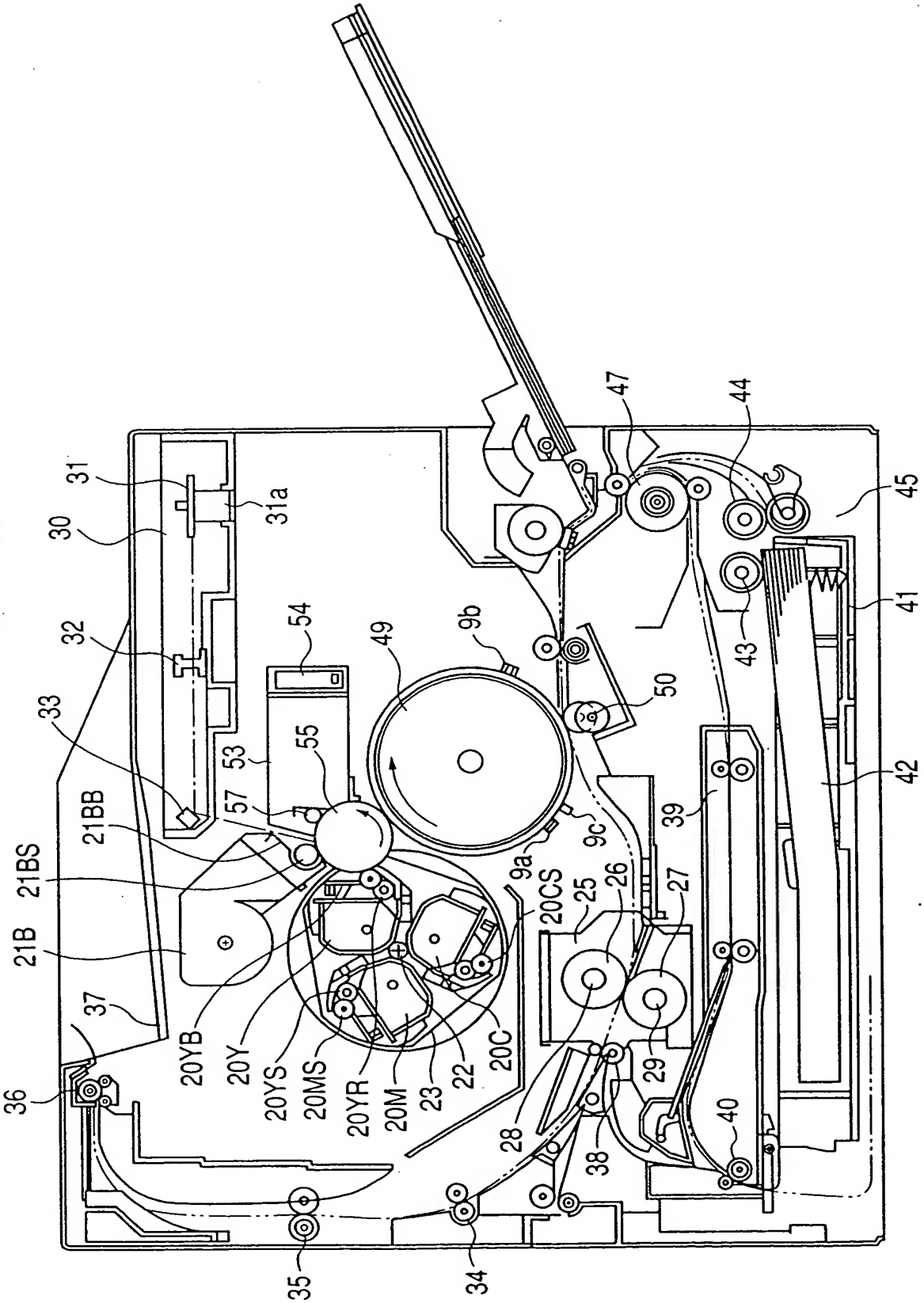

31
30
31a
32
54
49
9b
47
44
45
41
43
50
33
53
55
42
21BB
57
39
9c
21BS
9a
26
27
25
20CS
21B
37
20YB
20Y
20YS
20MS
20YR
20M
23
22
20C
29
36
28
38
40
35
34

FIG. 4

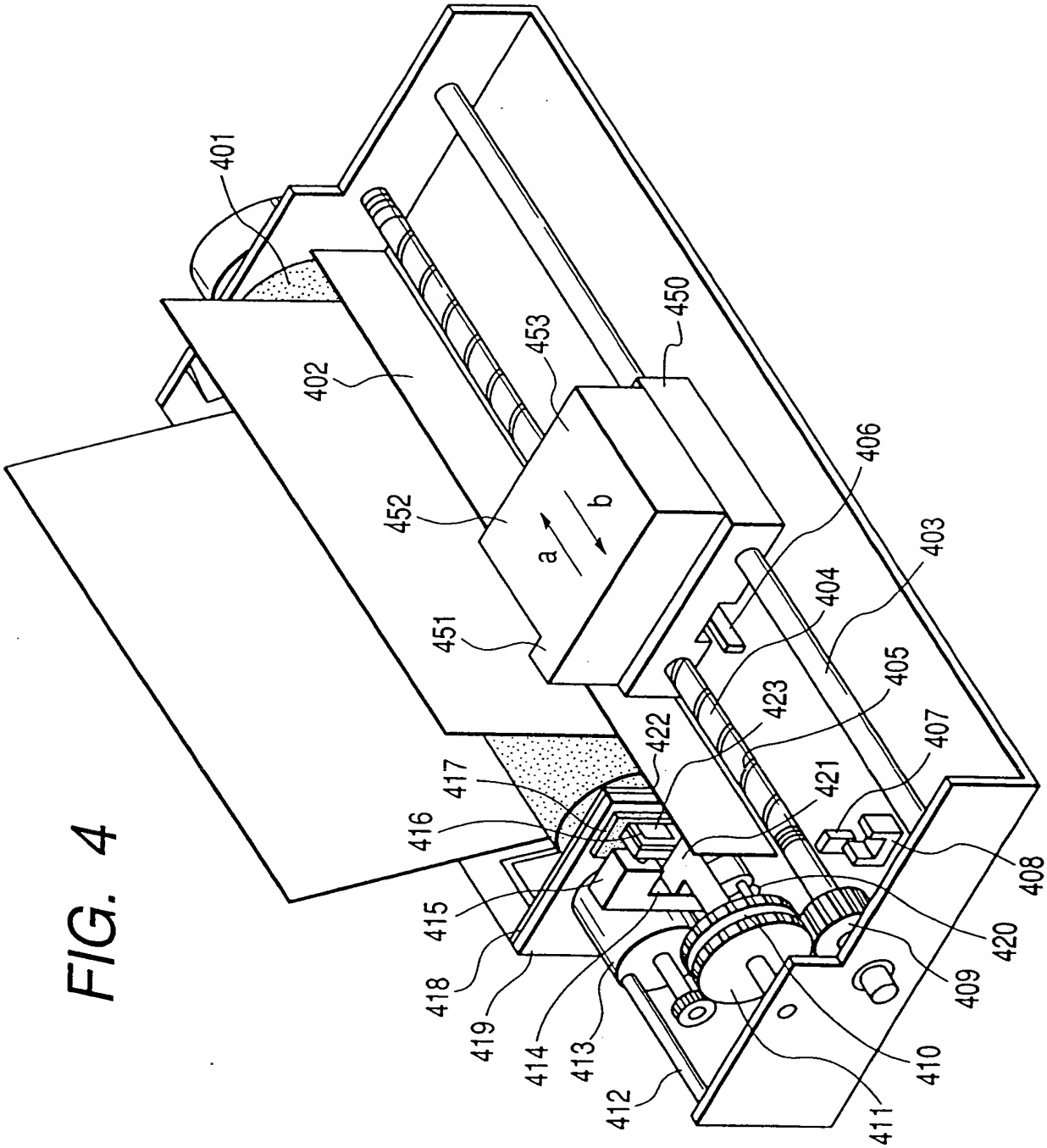

401
402
453
450
452
a
b
451
406
403
404
405
423
422
407
421
417
416
408
415
420
418
409
419
414
410
413
412
411

FIG. 5

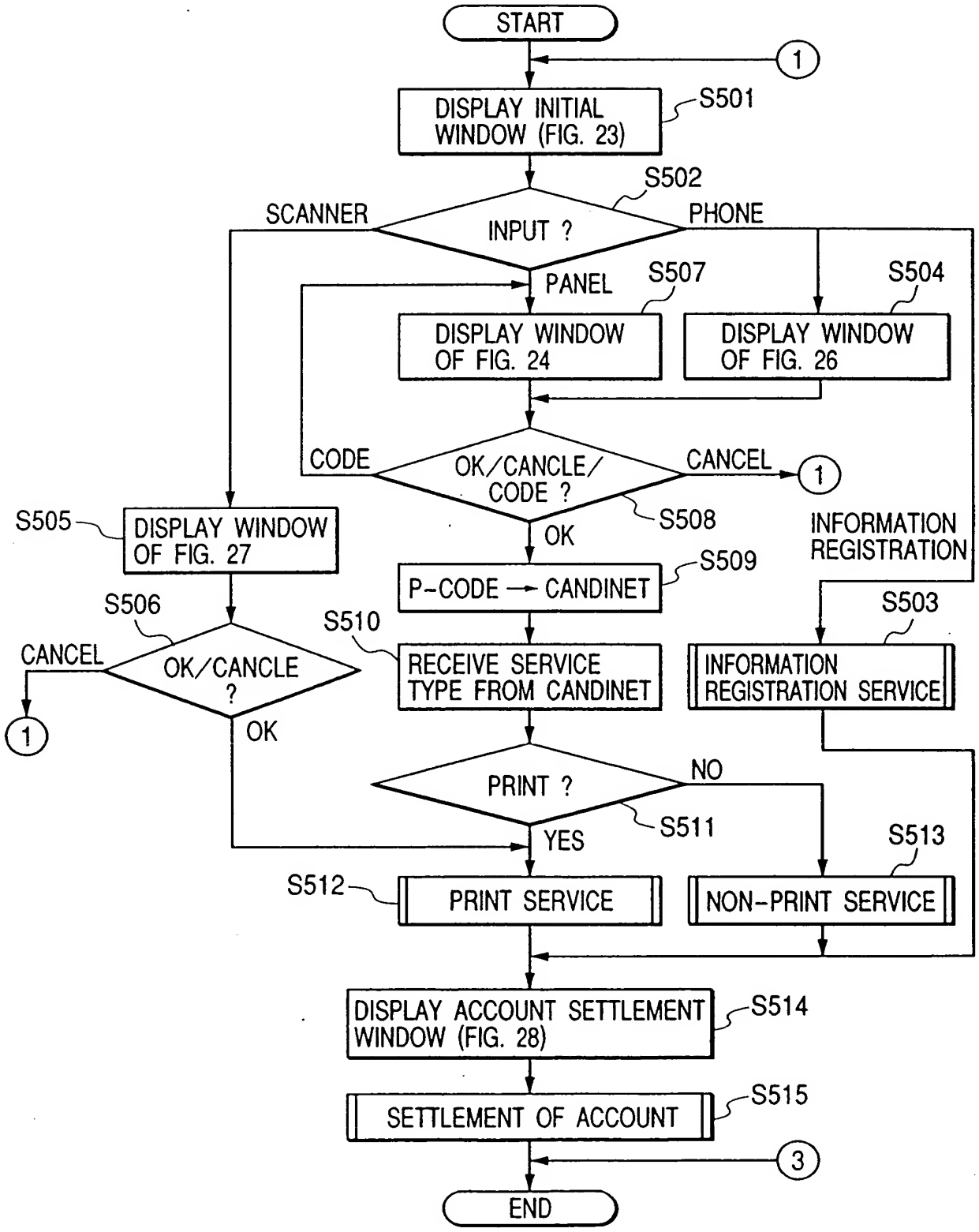

START
1
DISPLAY INITIAL WINDOW (FIG. 23)
S501
S502
SCANNER
INPUT ?
PHONE
PANEL
S507
S504
DISPLAY WINDOW OF FIG. 24
DISPLAY WINDOW OF FIG. 26
CODE
OK/CANCLE/ CODE ?
CANCEL
1
S508
S505
DISPLAY WINDOW OF FIG. 27
OK
INFORMATION REGISTRATION
S509
P-CODE → CANDINET
S506
S510
S503
CANCEL
OK/CANCLE ?
RECEIVE SERVICE TYPE FROM CANDINET
INFORMATION REGISTRATION SERVICE
1
OK
PRINT ?
NO
S511
YES
S513
S512
PRINT SERVICE
NON-PRINT SERVICE
DISPLAY ACCOUNT SETTLEMENT WINDOW (FIG. 28)
S514
SETTLEMENT OF ACCOUNT
S515
3
END

FIG. 6

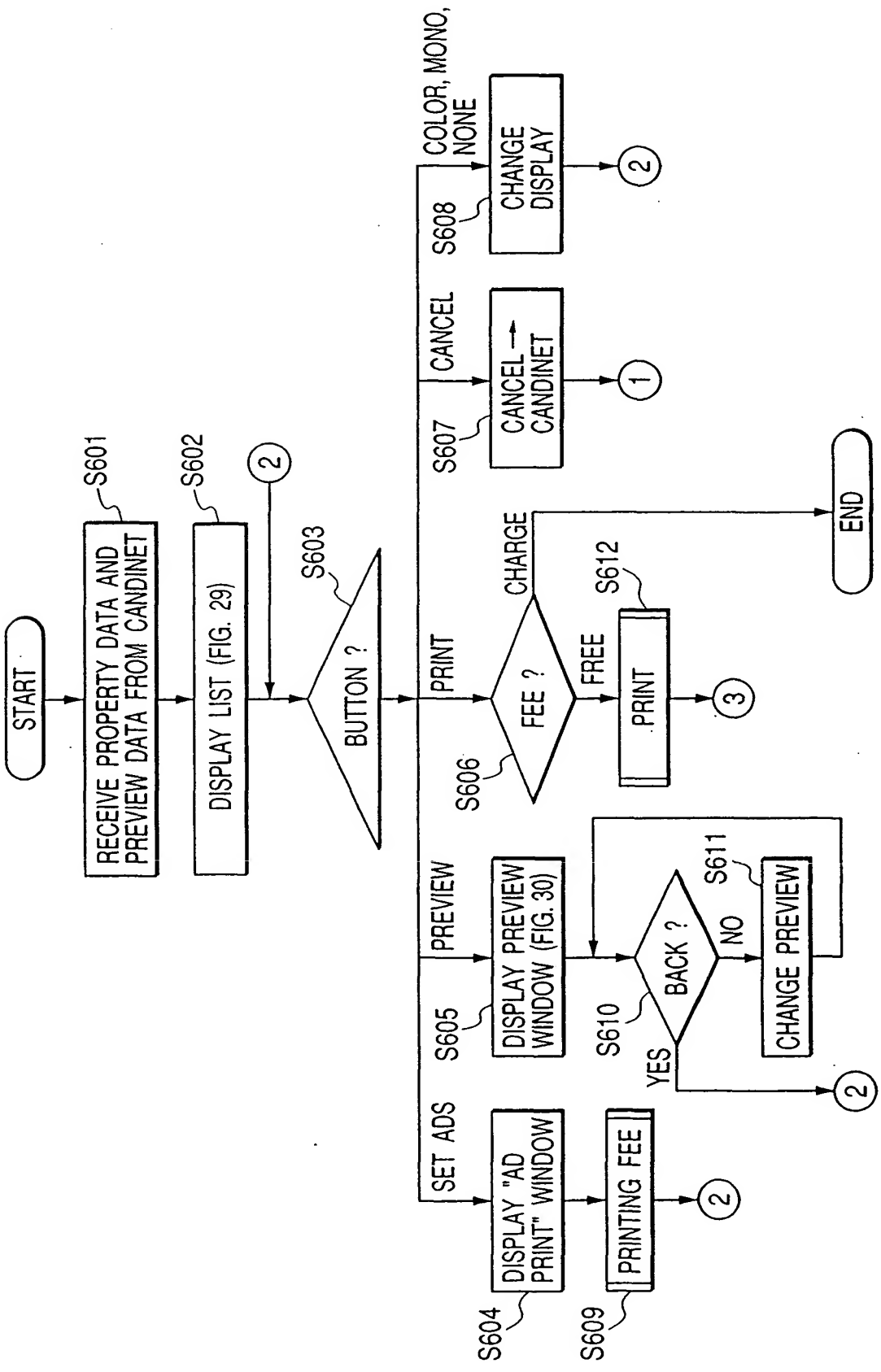

START
S601
RECEIVE PROPERTY DATA AND PREVIEW DATA FROM CANDINET
S602
DISPLAY LIST (FIG. 29)
2
S603
BUTTON ?
PRINT
CHARGE
FEE ?
S606
FREE
S612
PRINT
3
END
CANCEL
S607
CANCEL→ CANDINET
1
COLOR, MONO, NONE
S608
CHANGE DISPLAY
2
PREVIEW
S605
DISPLAY PREVIEW WINDOW (FIG. 30)
S610
BACK ?
NO
S611
CHANGE PREVIEW
YES
2
SET ADS
S604
DISPLAY "AD PRINT" WINDOW
S609
PRINTING FEE
2

FIG. 7

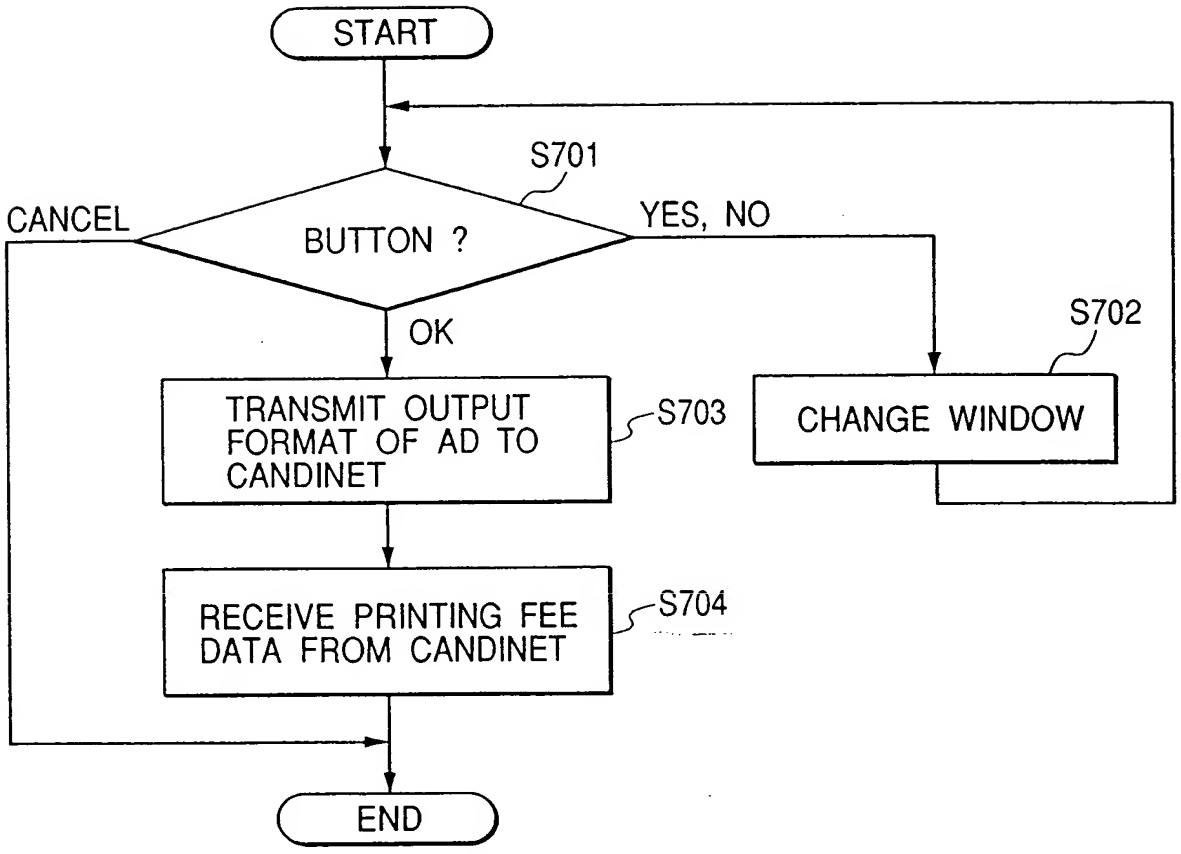

START
S701
BUTTON ?
CANCEL
YES, NO
OK
S702
CHANGE WINDOW
TRANSMIT OUTPUT FORMAT OF AD TO CANDINET
S703
RECEIVE PRINTING FEE DATA FROM CANDINET
S704
END

FIG. 8

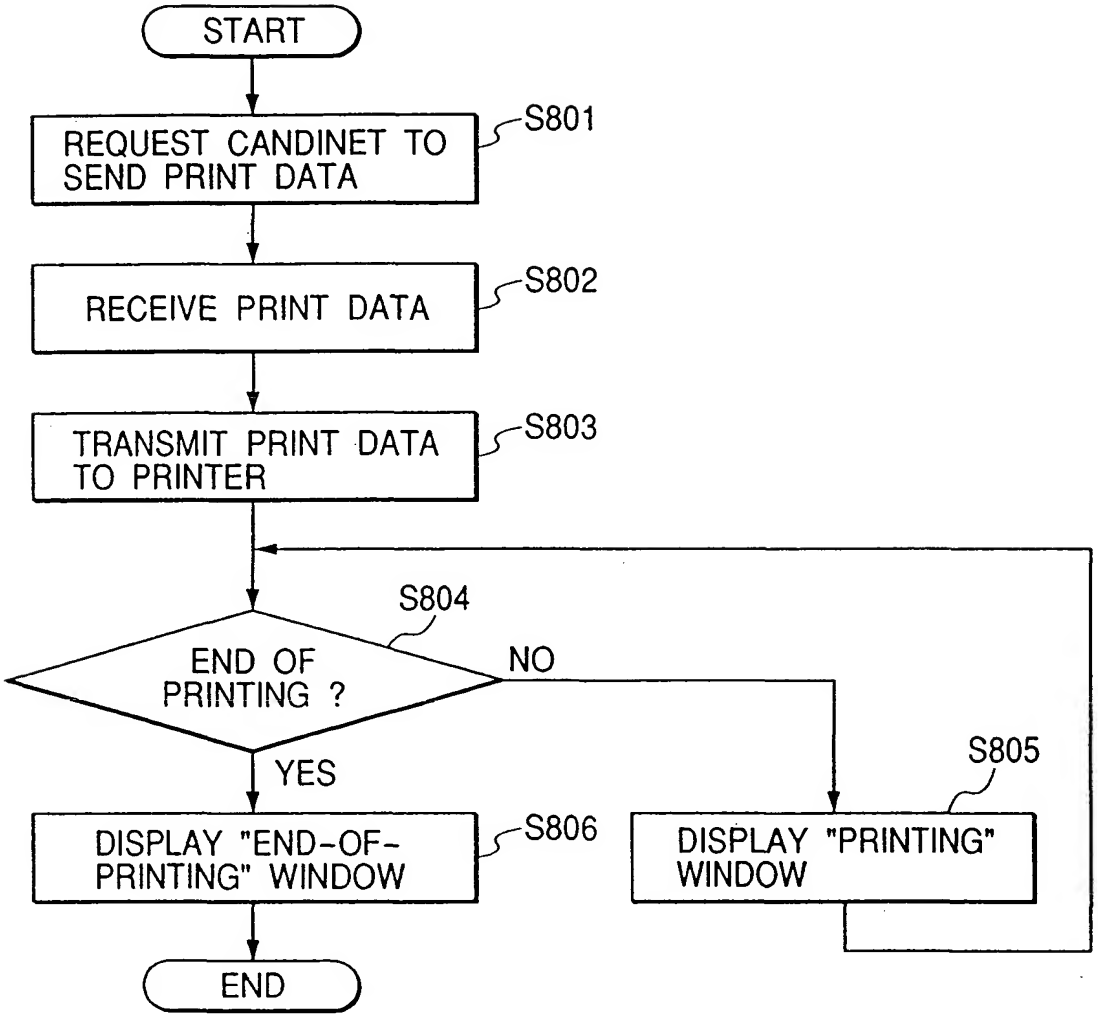

START
REQUEST CANDINET TO SEND PRINT DATA
S801
RECEIVE PRINT DATA
S802
TRANSMIT PRINT DATA TO PRINTER
S803
S804
END OF PRINTING ?
NO
YES
S805
DISPLAY "PRINTING" WINDOW
DISPLAY "END-OF-PRINTING" WINDOW
S806
END

FIG. 9

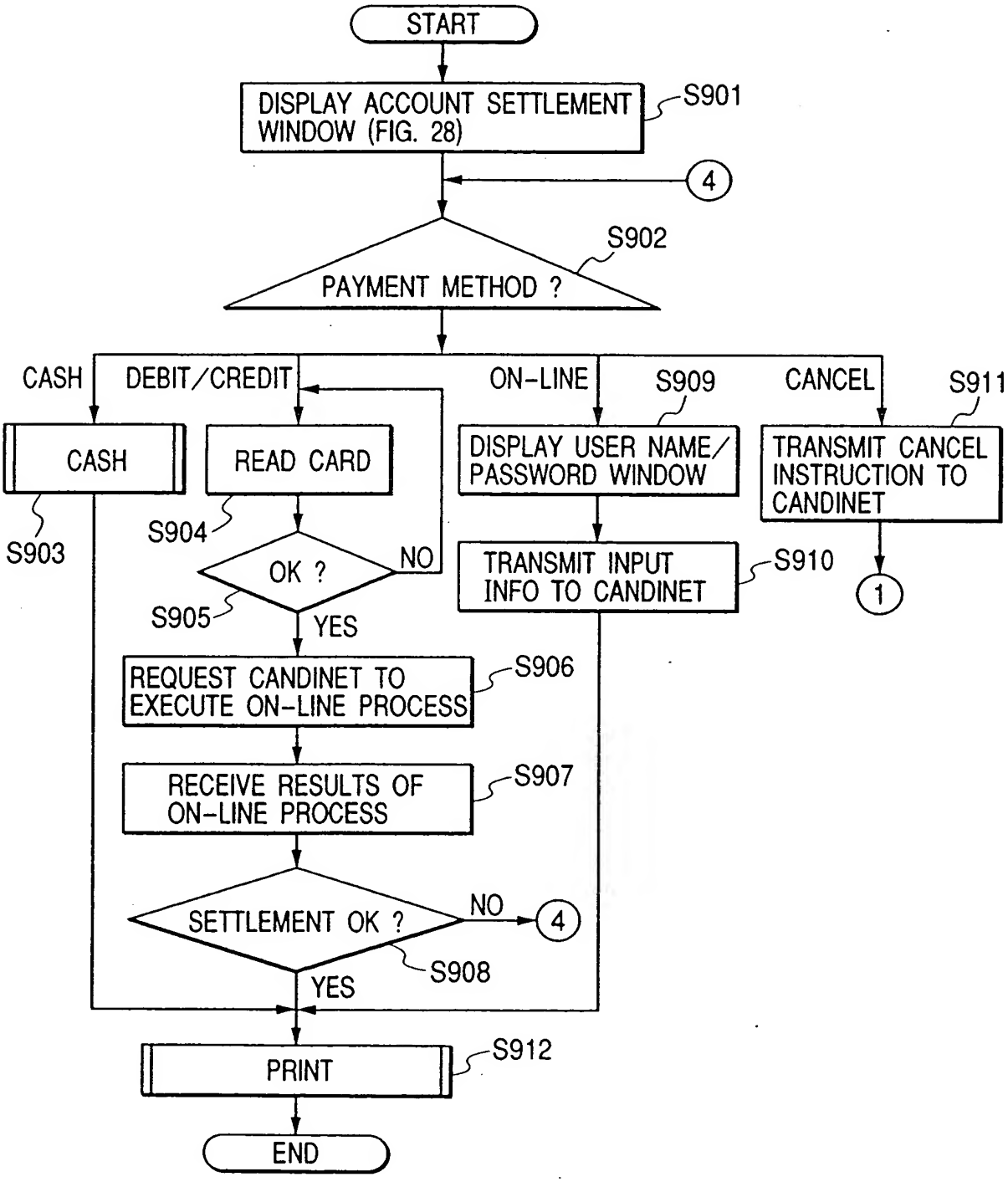

START
DISPLAY ACCOUNT SETTLEMENT WINDOW (FIG. 28)
S901
4
S902
PAYMENT METHOD ?
CASH
DEBIT/CREDIT
ON-LINE
S909
CANCEL
S911
CASH
READ CARD
DISPLAY USER NAME/ PASSWORD WINDOW
TRANSMIT CANCEL INSTRUCTION TO CANDINET
S903
S904
OK ?
NO
TRANSMIT INPUT INFO TO CANDINET
S910
1
S905
YES
REQUEST CANDINET TO EXECUTE ON-LINE PROCESS
S906
RECEIVE RESULTS OF ON-LINE PROCESS
S907
SETTLEMENT OK ?
NO
4
S908
YES
PRINT
S912
END

FIG. 10

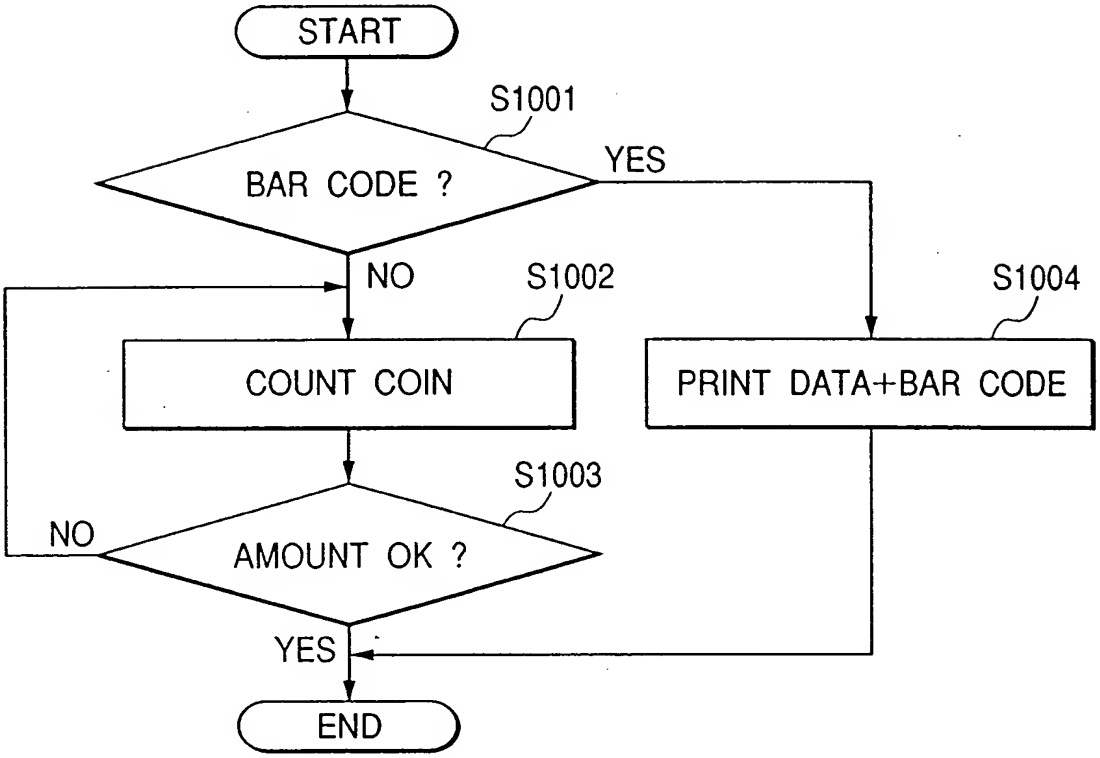

START
S1001
BAR CODE ?
YES
NO
S1002
S1004
COUNT COIN
PRINT DATA+BAR CODE
S1003
NO
AMOUNT OK ?
YES
END

FIG. 11

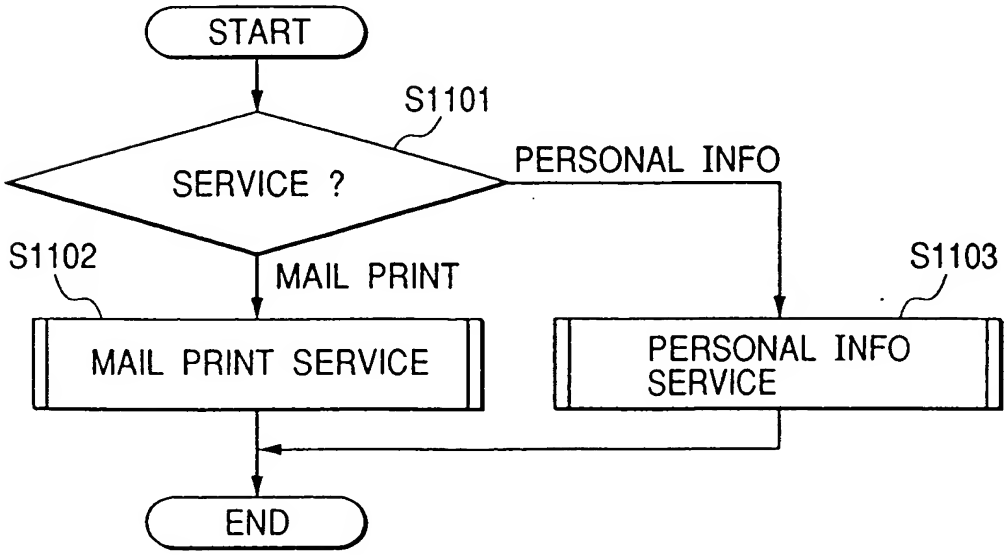

START
S1101
SERVICE ?
PERSONAL INFO
S1102
MAIL PRINT
S1103
MAIL PRINT SERVICE
PERSONAL INFO SERVICE
END

FIG. 12

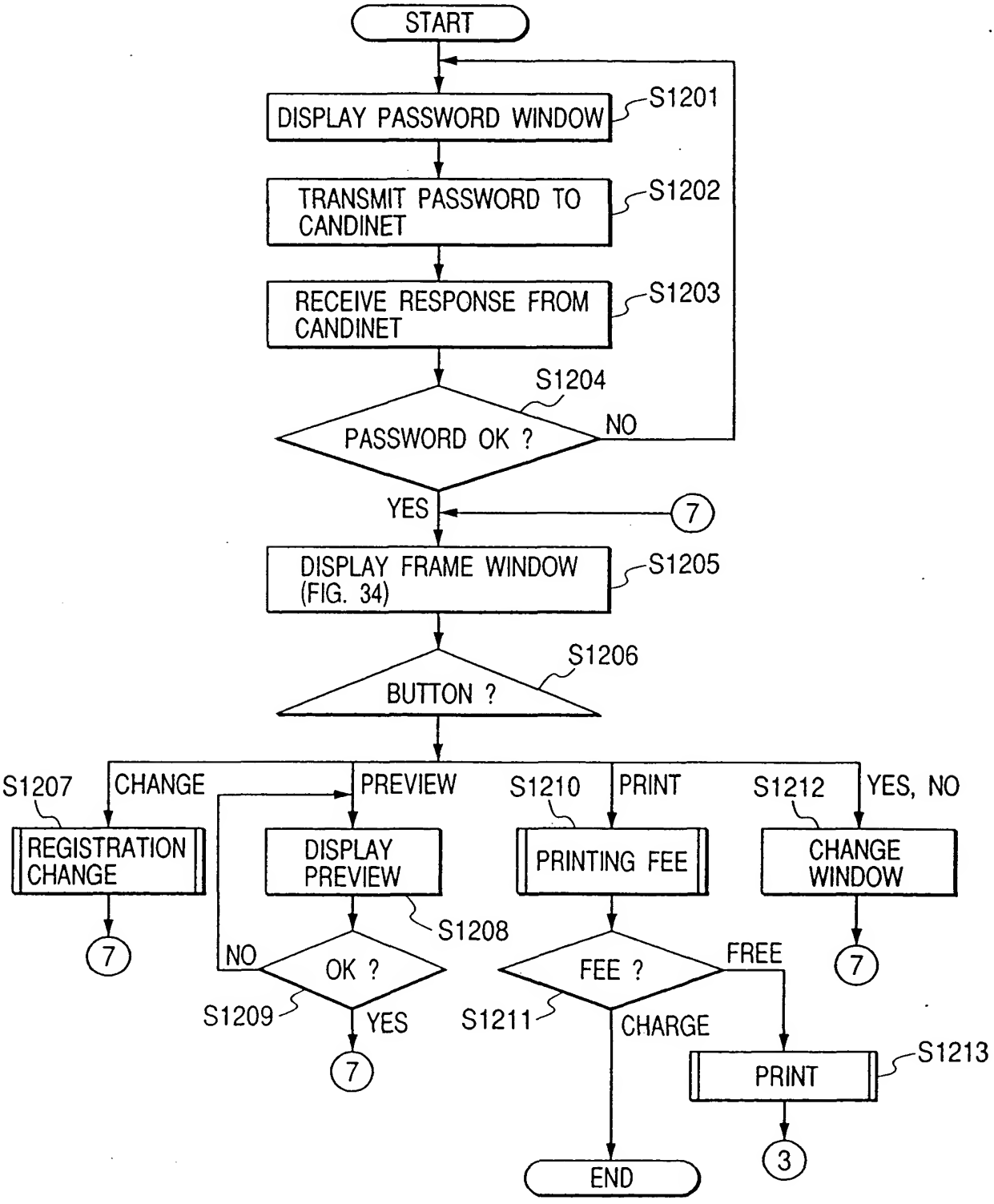

START
DISPLAY PASSWORD WINDOW
S1201
TRANSMIT PASSWORD TO CANDINET
S1202
RECEIVE RESPONSE FROM CANDINET
S1203
S1204
PASSWORD OK ?
NO
YES
7
DISPLAY FRAME WINDOW (FIG. 34)
S1205
S1206
BUTTON ?
S1207
CHANGE
PREVIEW
S1210
PRINT
S1212
YES, NO
REGISTRATION CHANGE
DISPLAY PREVIEW
PRINTING FEE
CHANGE WINDOW
7
S1208
NO
OK ?
S1209
YES
7
FEE ?
FREE
S1211
CHARGE
7
PRINT
S1213
3
END

FIG. 13

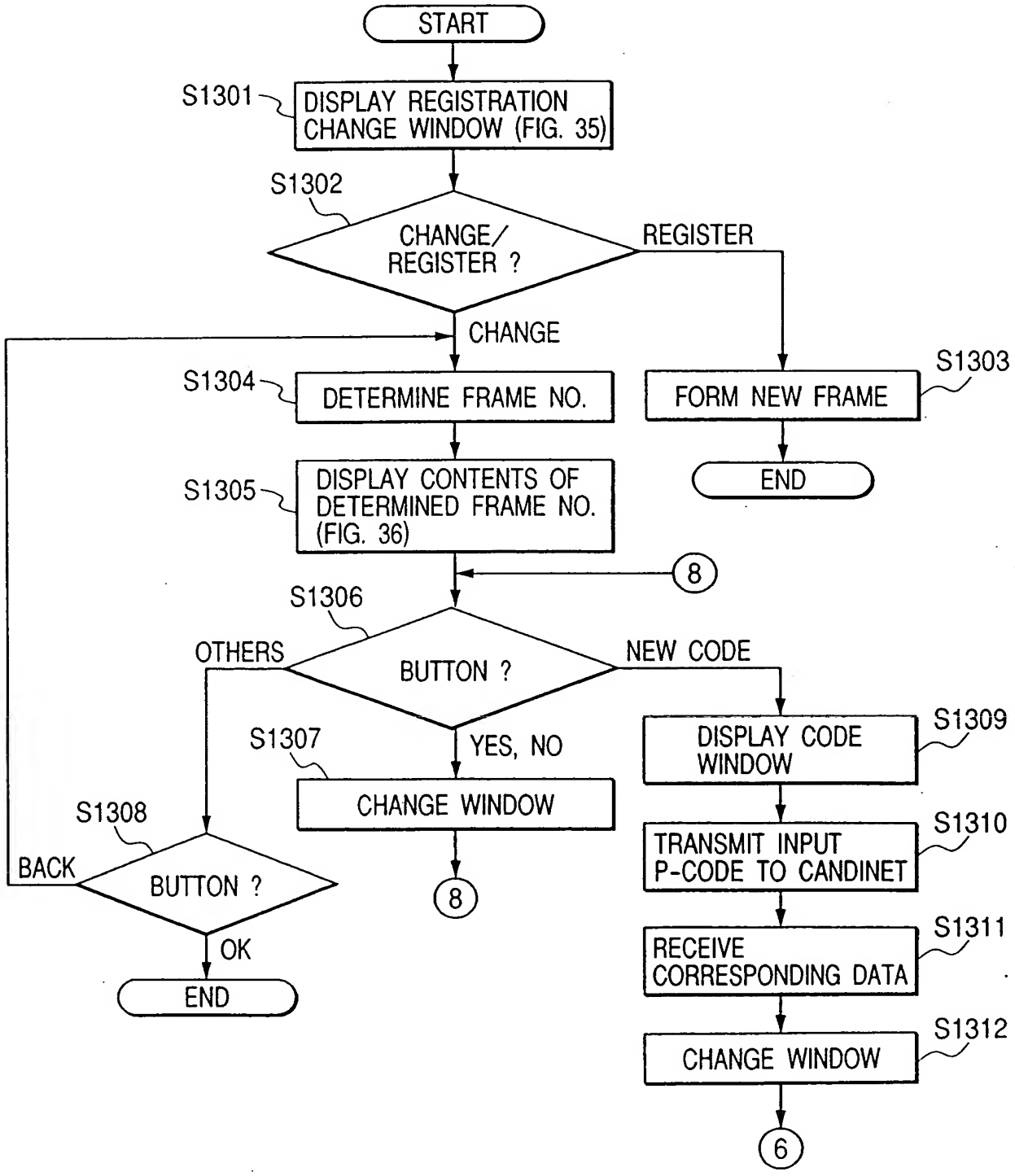

START
S1301
DISPLAY REGISTRATION CHANGE WINDOW (FIG. 35)
S1302
CHANGE/ REGISTER ?
REGISTER
CHANGE
S1303
FORM NEW FRAME
END
S1304
DETERMINE FRAME NO.
S1305
DISPLAY CONTENTS OF DETERMINED FRAME NO. (FIG. 36)
8
S1306
BUTTON ?
OTHERS
NEW CODE
S1307
YES, NO
CHANGE WINDOW
8
S1308
BUTTON ?
BACK
OK
END
S1309
DISPLAY CODE WINDOW
S1310
TRANSMIT INPUT P-CODE TO CANDINET
S1311
RECEIVE CORRESPONDING DATA
S1312
CHANGE WINDOW
6

FIG. 14

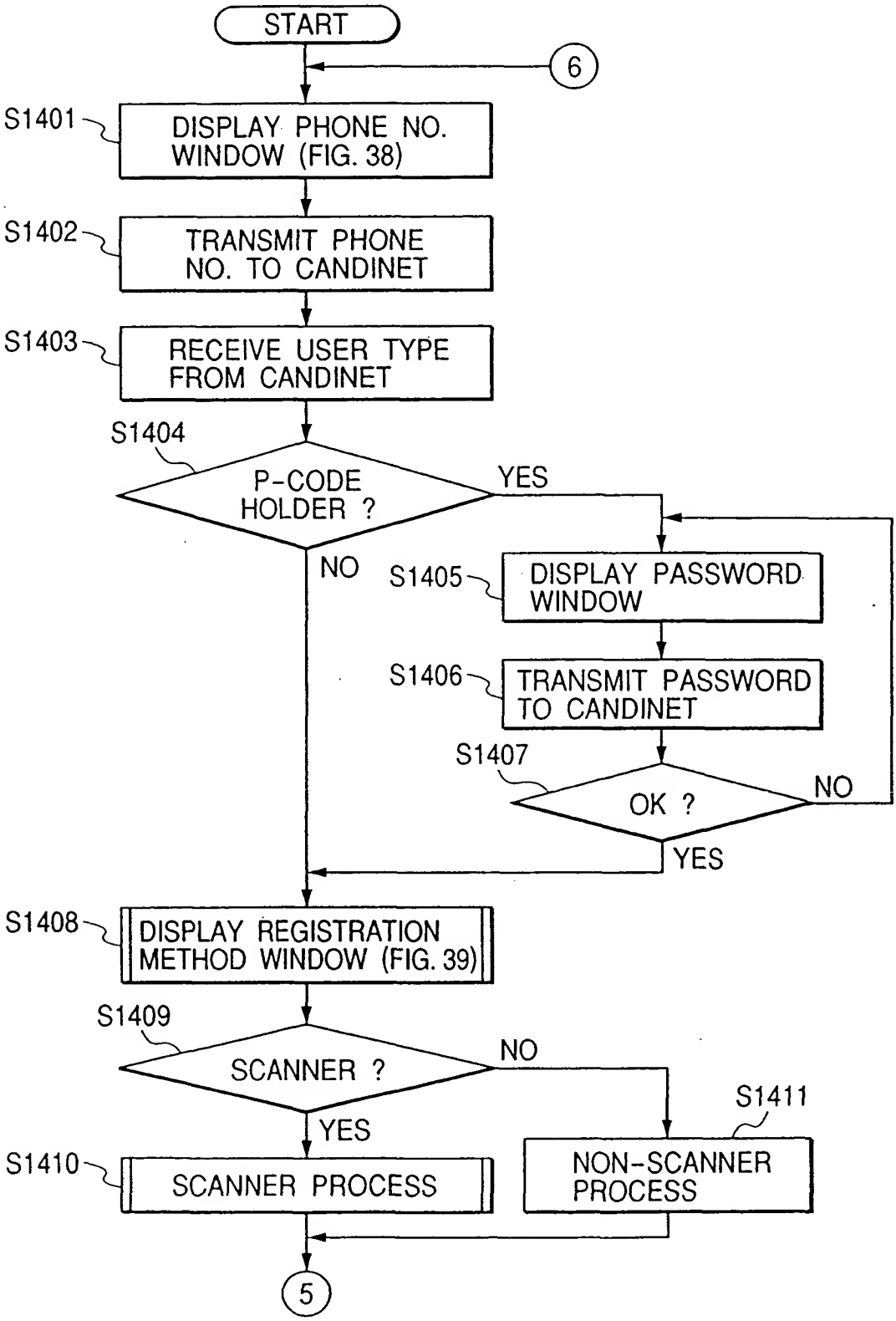

START
6
S1401
DISPLAY PHONE NO. WINDOW (FIG. 38)
S1402
TRANSMIT PHONE NO. TO CANDINET
S1403
RECEIVE USER TYPE FROM CANDINET
S1404
P-CODE HOLDER ?
YES
NO
S1405
DISPLAY PASSWORD WINDOW
S1406
TRANSMIT PASSWORD TO CANDINET
S1407
OK ?
NO
YES
S1408
DISPLAY REGISTRATION METHOD WINDOW (FIG. 39)
S1409
SCANNER ?
NO
YES
S1410
SCANNER PROCESS
S1411
NON-SCANNER PROCESS
5

FIG. 15

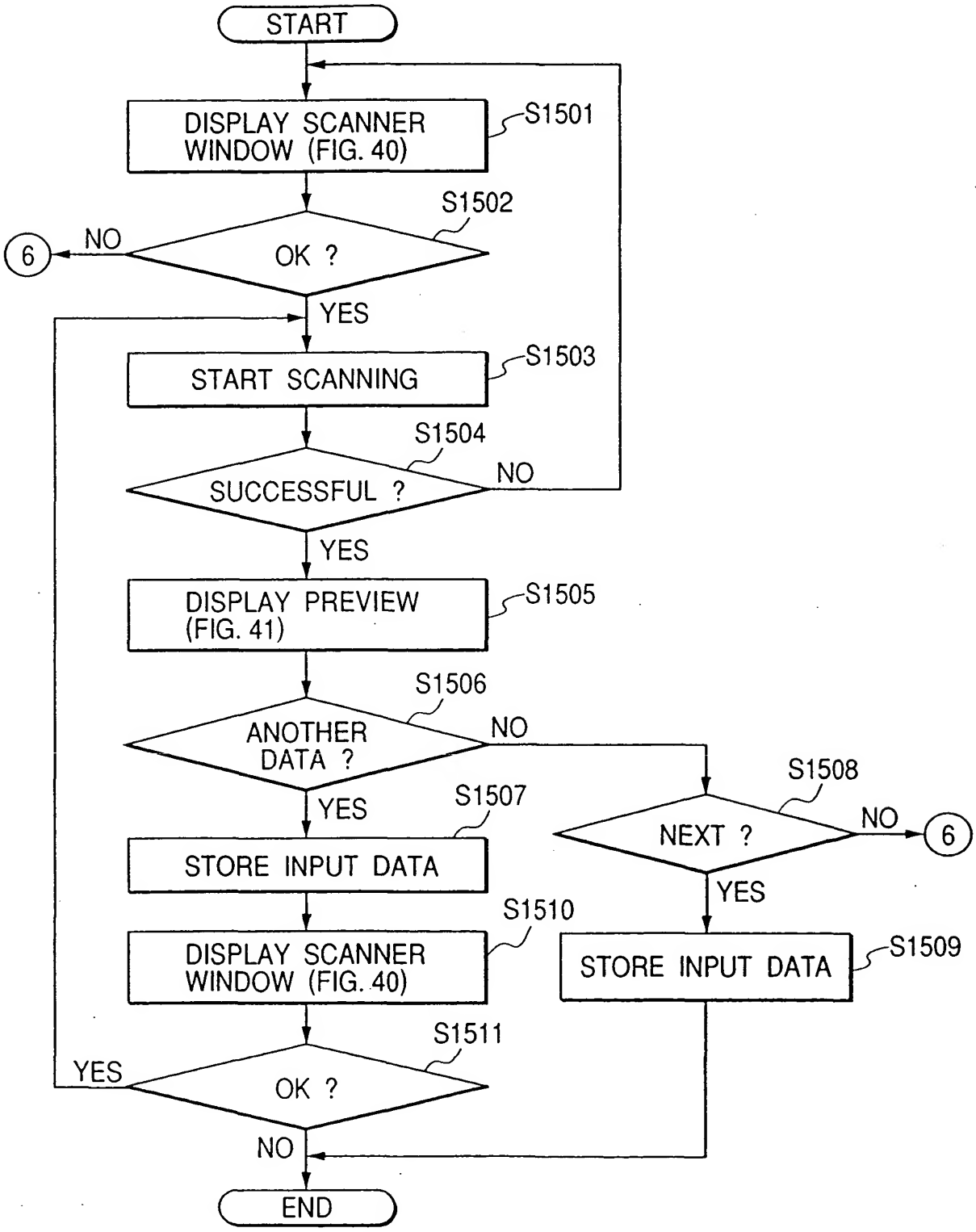

START
DISPLAY SCANNER WINDOW (FIG. 40)
S1501
S1502
OK ?
NO
6
YES
START SCANNING
S1503
S1504
SUCCESSFUL ?
NO
YES
DISPLAY PREVIEW (FIG. 41)
S1505
S1506
ANOTHER DATA ?
NO
YES
S1507
STORE INPUT DATA
S1508
NEXT ?
NO
6
YES
S1510
DISPLAY SCANNER WINDOW (FIG. 40)
STORE INPUT DATA
S1509
S1511
OK ?
YES
NO
END

FIG. 16

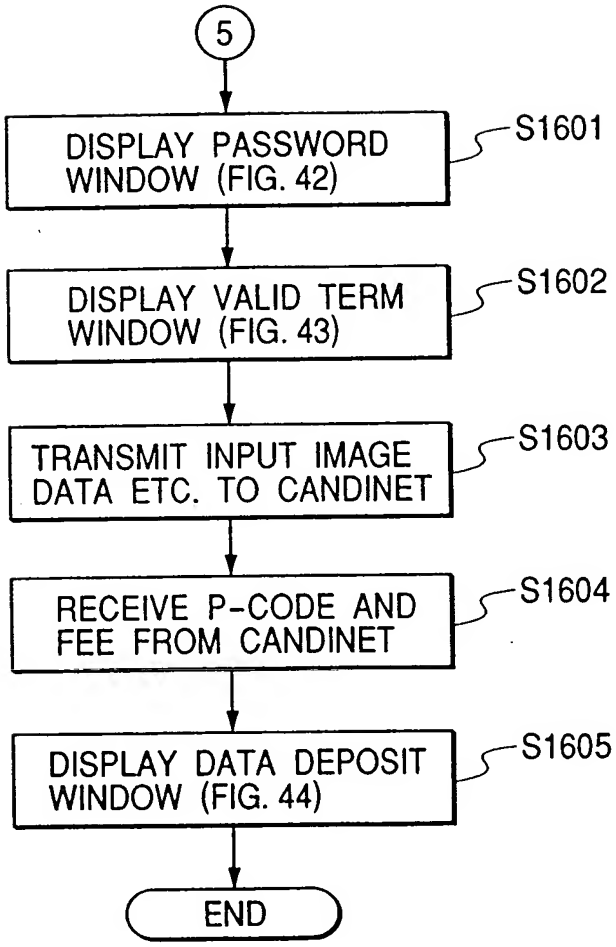

5
DISPLAY PASSWORD WINDOW (FIG. 42)
S1601
DISPLAY VALID TERM WINDOW (FIG. 43)
S1602
TRANSMIT INPUT IMAGE DATA ETC. TO CANDINET
S1603
RECEIVE P-CODE AND FEE FROM CANDINET
S1604
DISPLAY DATA DEPOSIT WINDOW (FIG. 44)
S1605
END

FIG. 17

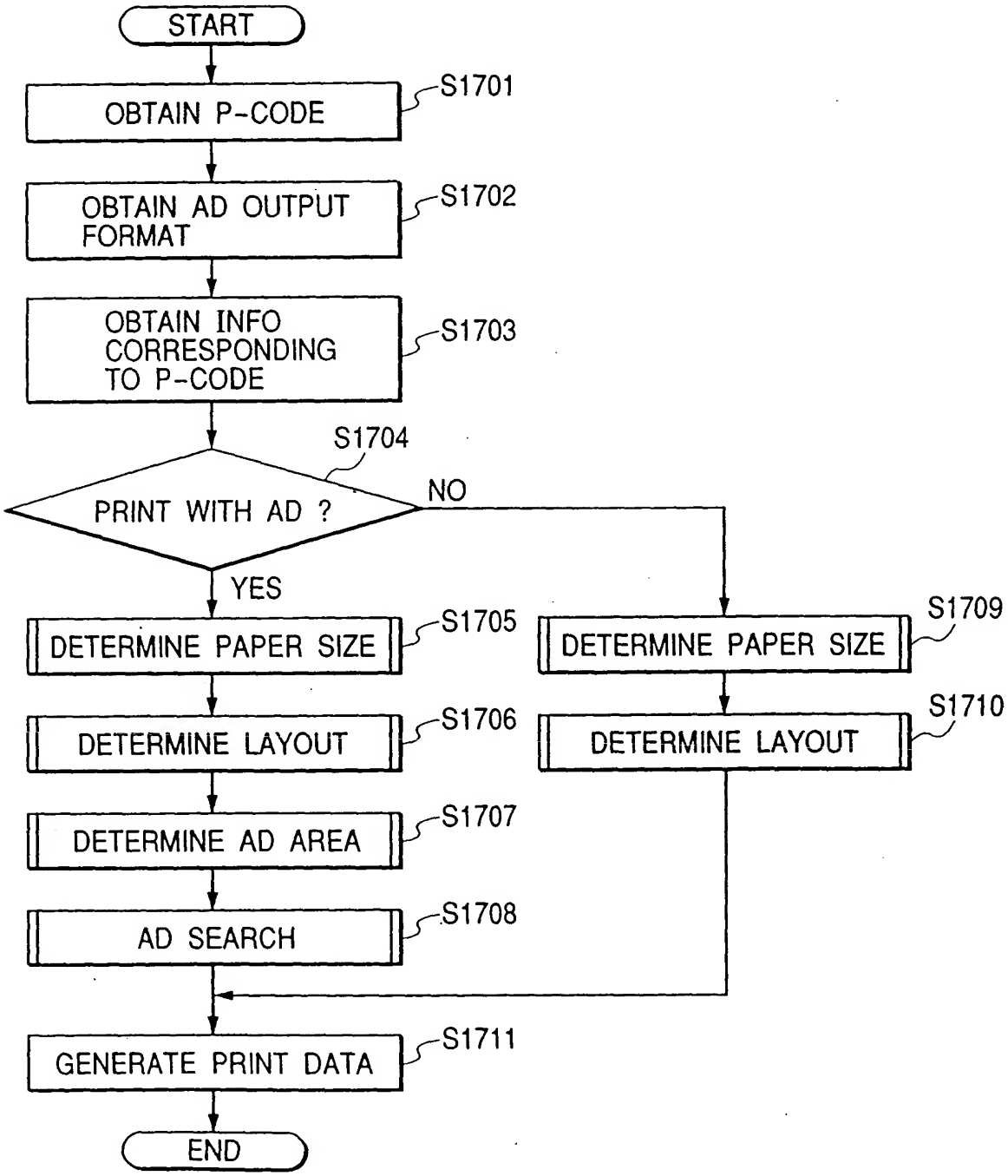

START
OBTAIN P-CODE
S1701
OBTAIN AD OUTPUT FORMAT
S1702
OBTAIN INFO CORRESPONDING TO P-CODE
S1703
S1704
PRINT WITH AD ?
NO
YES
DETERMINE PAPER SIZE
S1705
DETERMINE LAYOUT
S1706
DETERMINE AD AREA
S1707
AD SEARCH
S1708
DETERMINE PAPER SIZE
S1709
DETERMINE LAYOUT
S1710
GENERATE PRINT DATA
S1711
END

FIG. 18

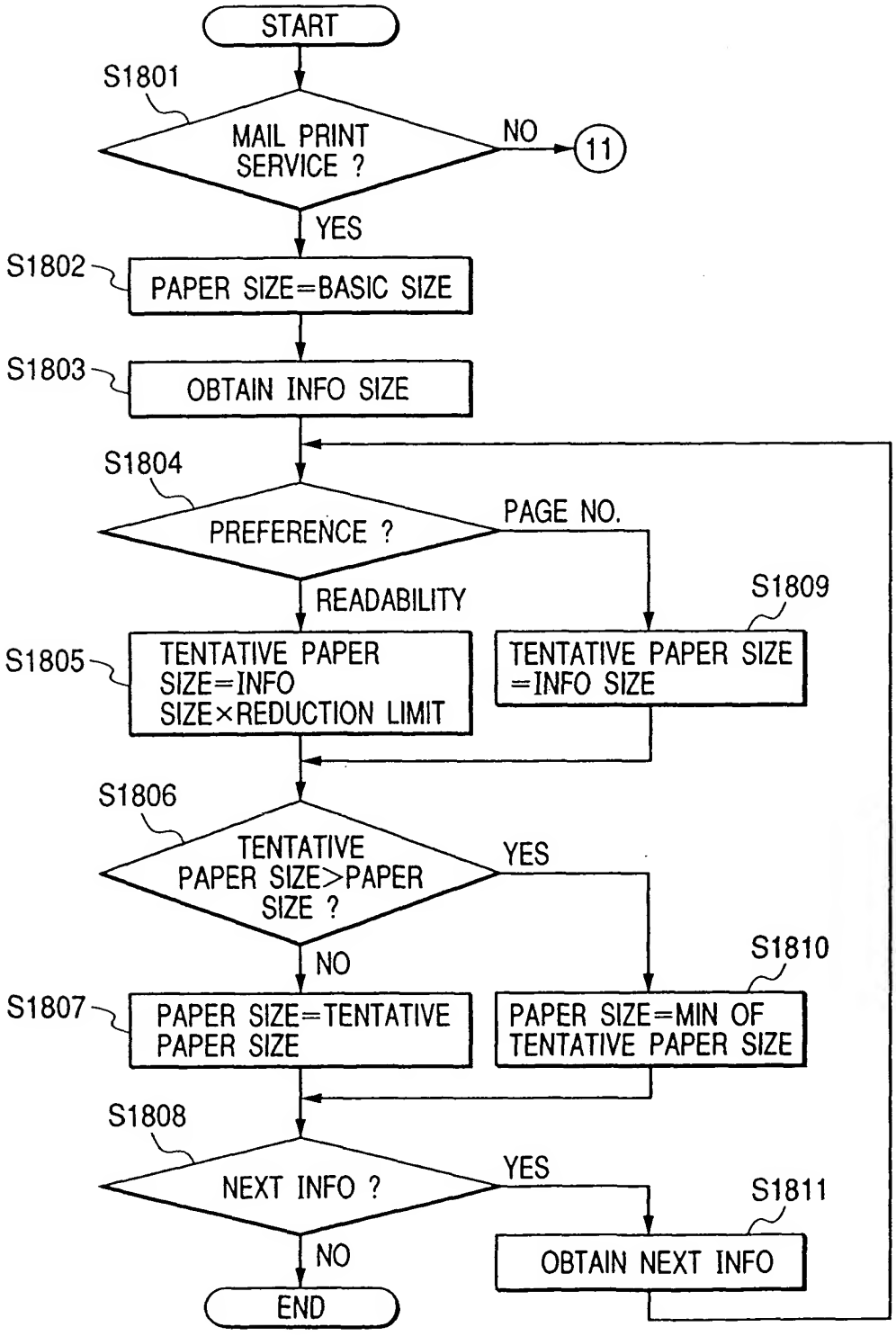

START
S1801
MAIL PRINT SERVICE ?
NO
11
YES
S1802
PAPER SIZE=BASIC SIZE
S1803
OBTAIN INFO SIZE
S1804
PREFERENCE ?
PAGE NO.
READABILITY
S1809
TENTATIVE PAPER SIZE =INFO SIZE
S1805
TENTATIVE PAPER SIZE=INFO SIZE×REDUCTION LIMIT
S1806
TENTATIVE PAPER SIZE>PAPER SIZE ?
YES
NO
S1810
PAPER SIZE=MIN OF TENTATIVE PAPER SIZE
S1807
PAPER SIZE=TENTATIVE PAPER SIZE
S1808
NEXT INFO ?
YES
S1811
OBTAIN NEXT INFO
NO
END

FIG. 19

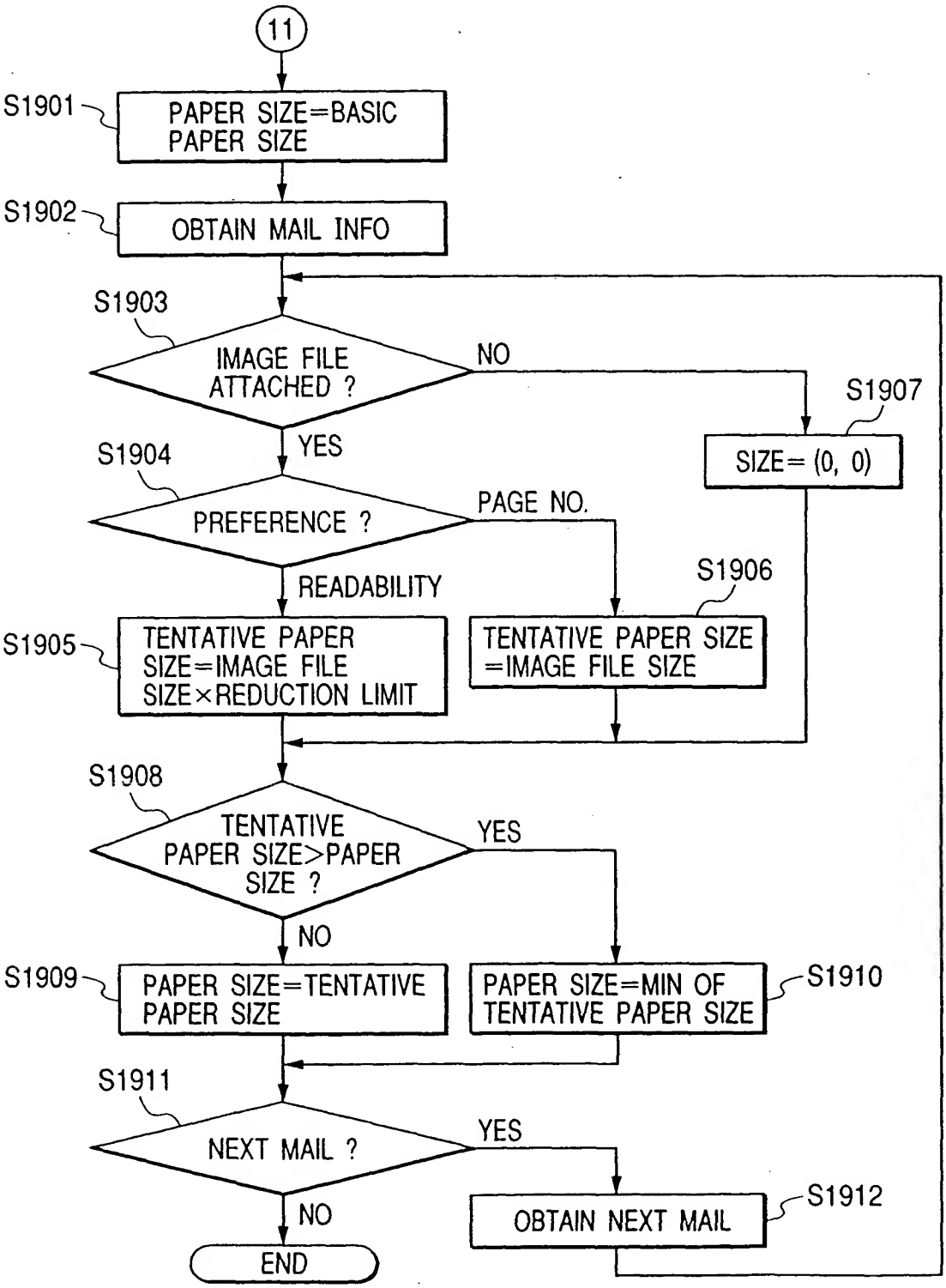

11
S1901
PAPER SIZE=BASIC PAPER SIZE
S1902
OBTAIN MAIL INFO
S1903
IMAGE FILE ATTACHED ?
NO
S1907
SIZE= (0, 0)
YES
S1904
PREFERENCE ?
PAGE NO.
READABILITY
S1906
S1905
TENTATIVE PAPER SIZE=IMAGE FILE SIZE×REDUCTION LIMIT
TENTATIVE PAPER SIZE =IMAGE FILE SIZE
S1908
TENTATIVE PAPER SIZE>PAPER SIZE ?
YES
NO
S1909
PAPER SIZE=TENTATIVE PAPER SIZE
PAPER SIZE=MIN OF TENTATIVE PAPER SIZE
S1910
S1911
NEXT MAIL ?
YES
NO
S1912
OBTAIN NEXT MAIL
END

FIG. 20

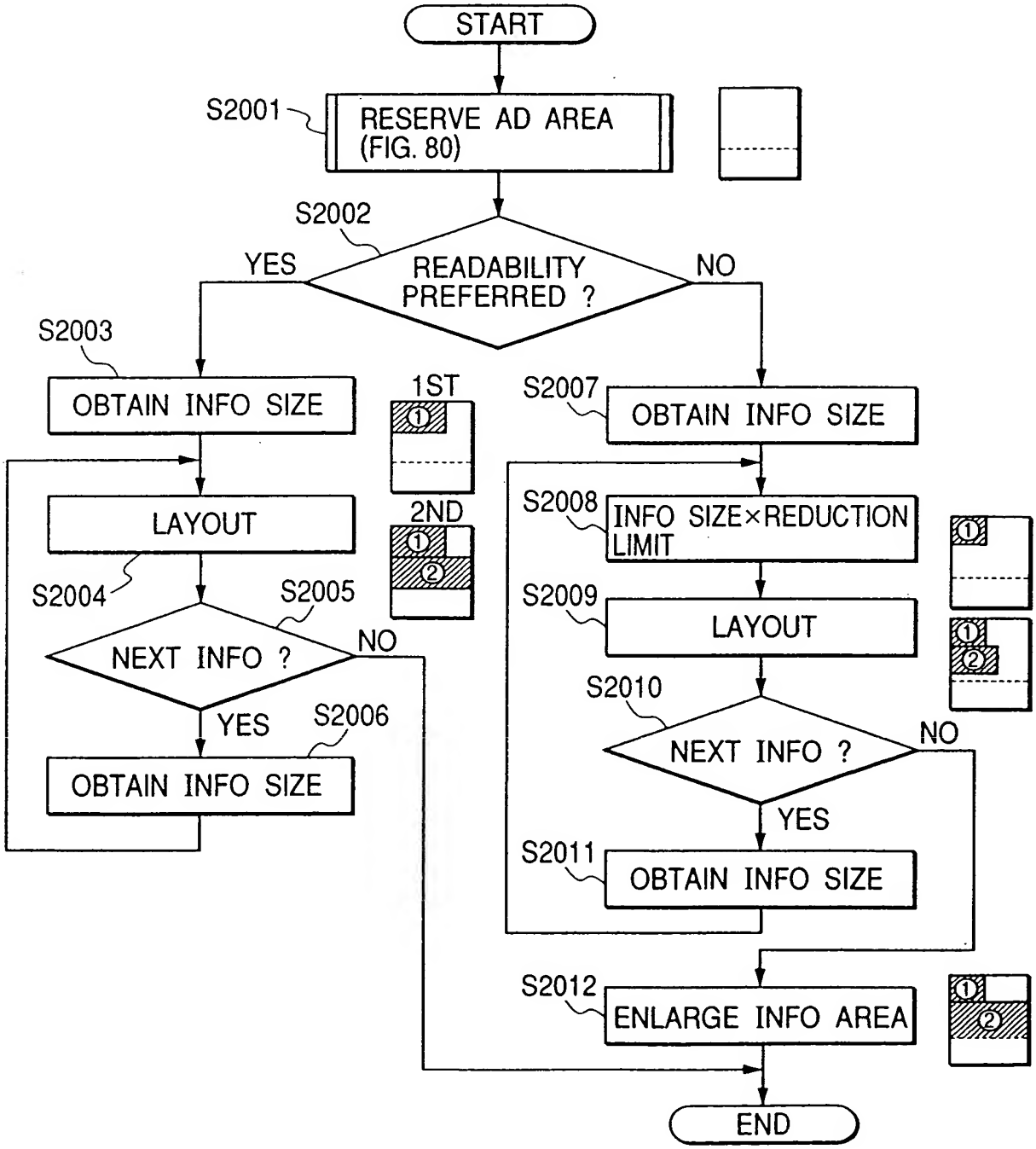

START
S2001
RESERVE AD AREA (FIG. 80)
S2002
READABILITY PREFERRED ?
YES
NO
S2003
OBTAIN INFO SIZE
1ST
①
LAYOUT
2ND
①
②
S2004
S2005
NEXT INFO ?
NO
YES
S2006
OBTAIN INFO SIZE
S2007
OBTAIN INFO SIZE
S2008
INFO SIZE×REDUCTION LIMIT
S2009
LAYOUT
S2010
NEXT INFO ?
NO
YES
S2011
OBTAIN INFO SIZE
S2012
ENLARGE INFO AREA
END

FIG. 21

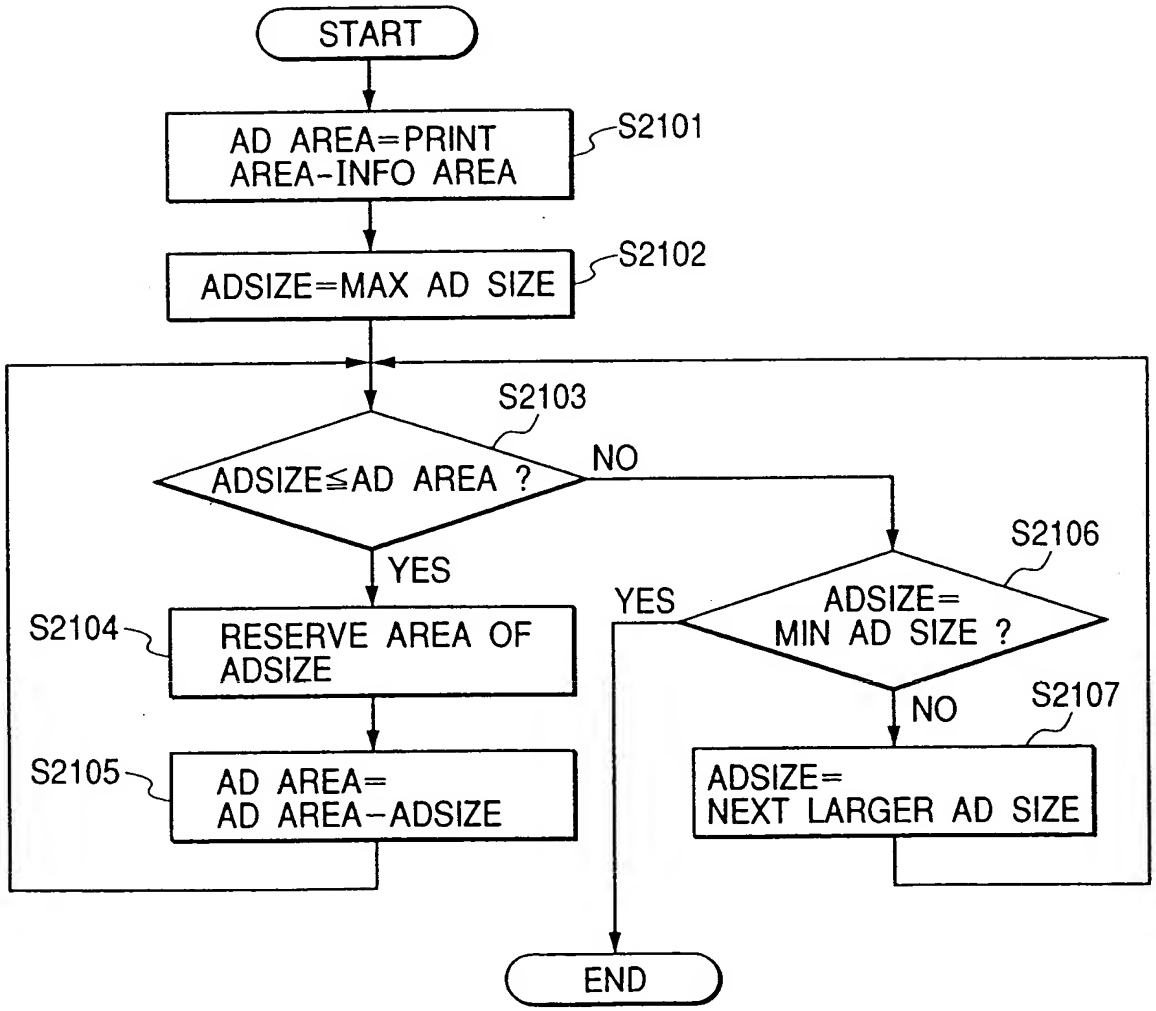

START
AD AREA=PRINT AREA-INFO AREA
S2101
ADSIZE=MAX AD SIZE
S2102
S2103
ADSIZE≦AD AREA ?
NO
YES
S2104
RESERVE AREA OF ADSIZE
S2105
AD AREA= AD AREA-ADSIZE
S2106
YES
ADSIZE= MIN AD SIZE ?
NO
S2107
ADSIZE= NEXT LARGER AD SIZE
END

FIG. 22

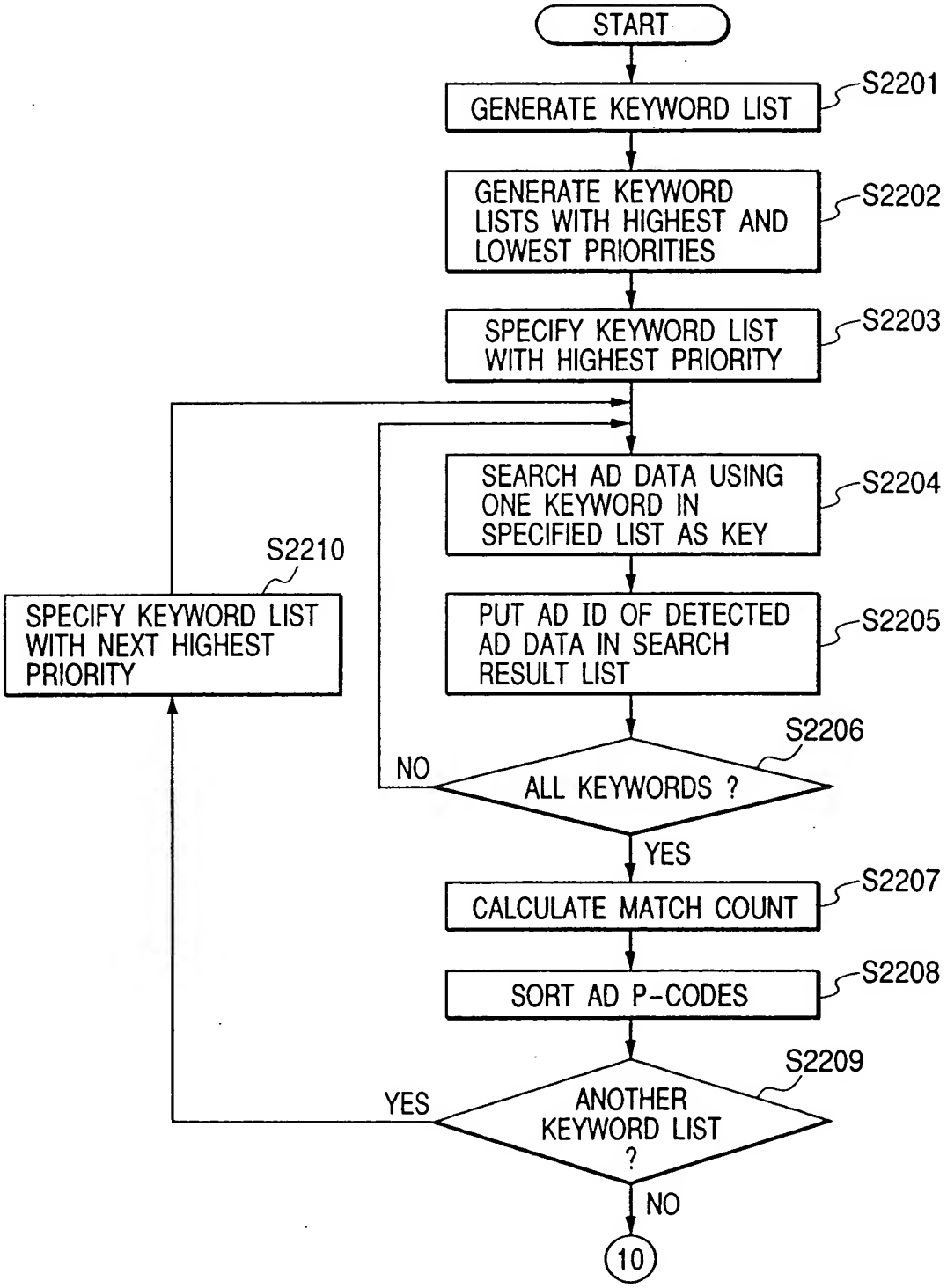

START
GENERATE KEYWORD LIST
S2201
GENERATE KEYWORD LISTS WITH HIGHEST AND LOWEST PRIORITIES
S2202
SPECIFY KEYWORD LIST WITH HIGHEST PRIORITY
S2203
SEARCH AD DATA USING ONE KEYWORD IN SPECIFIED LIST AS KEY
S2204
PUT AD ID OF DETECTED AD DATA IN SEARCH RESULT LIST
S2205
ALL KEYWORDS ?
S2206
NO
YES
CALCULATE MATCH COUNT
S2207
SORT AD P-CODES
S2208
ANOTHER KEYWORD LIST ?
S2209
YES
NO
SPECIFY KEYWORD LIST WITH NEXT HIGHEST PRIORITY
S2210
10

FIG. 23

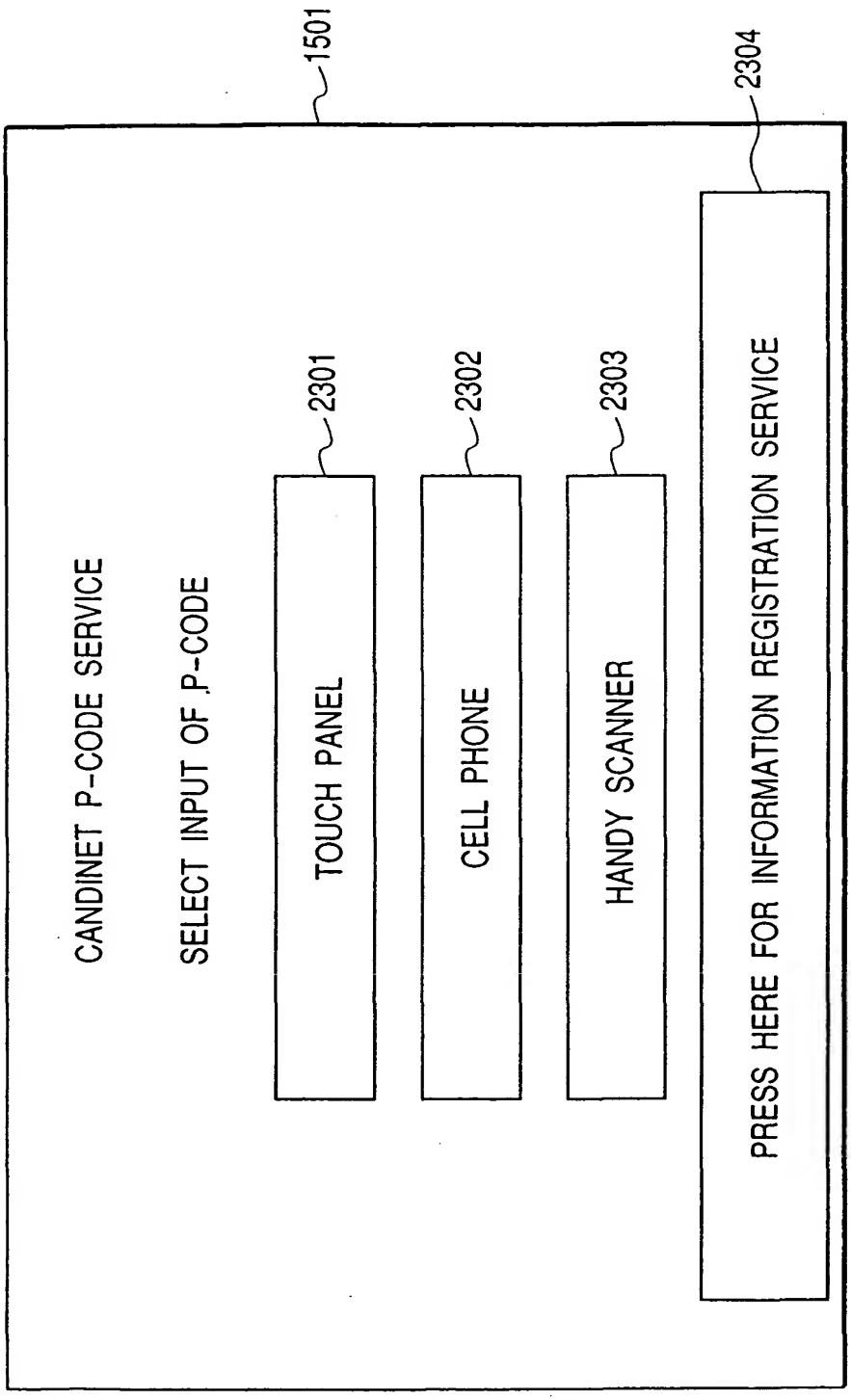

1501
2304
CANDINET P-CODE SERVICE
SELECT INPUT OF P-CODE
2301
TOUCH PANEL
2302
CELL PHONE
2303
HANDY SCANNER
PRESS HERE FOR INFORMATION REGISTRATION SERVICE

FIG. 24

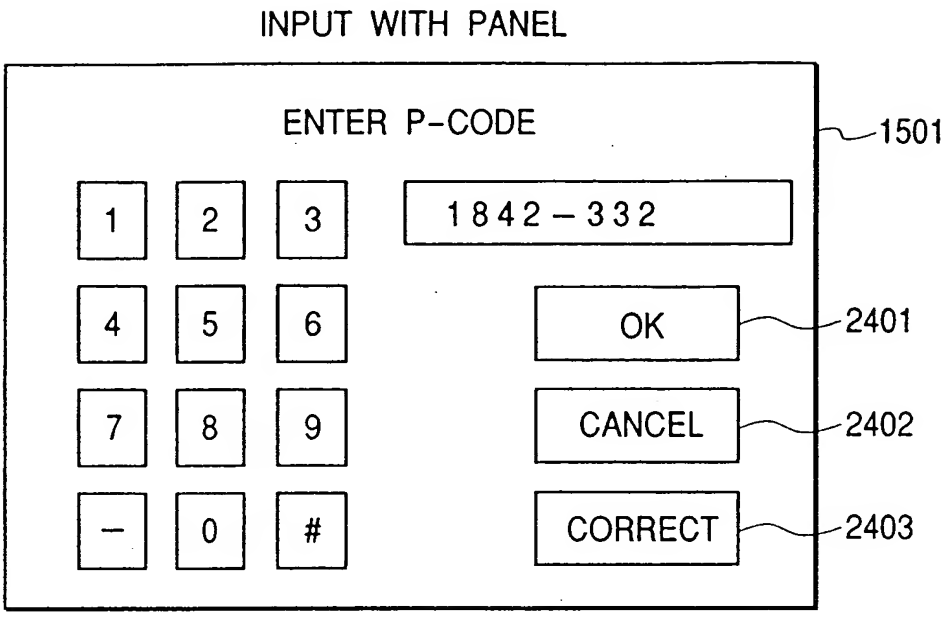

INPUT WITH PANEL
ENTER P-CODE
1501
1
2
3
1842−332
4
5
6
OK
2401
7
8
9
CANCEL
2402
−
0
#
CORRECT
2403

FIG. 25

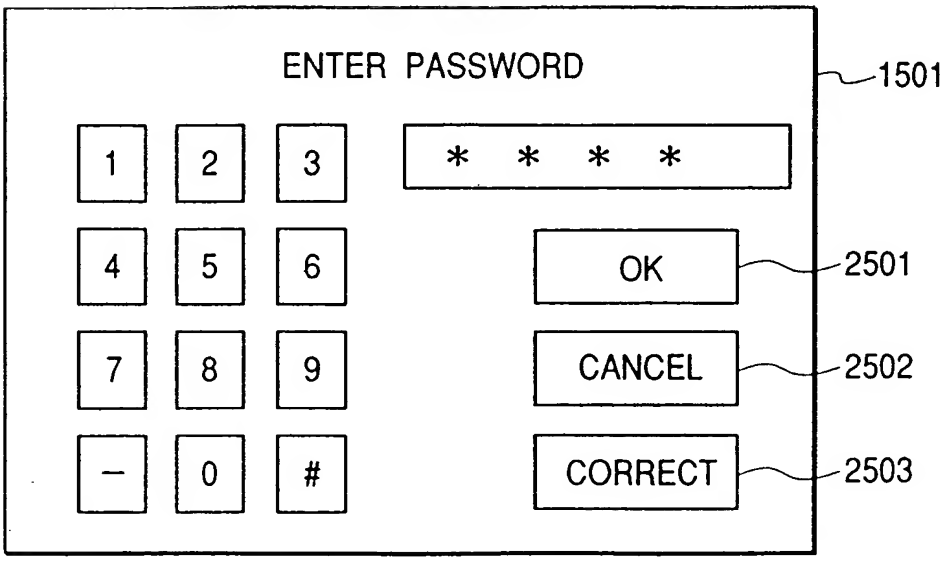

ENTER PASSWORD
1501
1
2
3
* * * *
4
5
6
OK
2501
7
8
9
CANCEL
2502
−
0
#
CORRECT
2503

FIG. 26

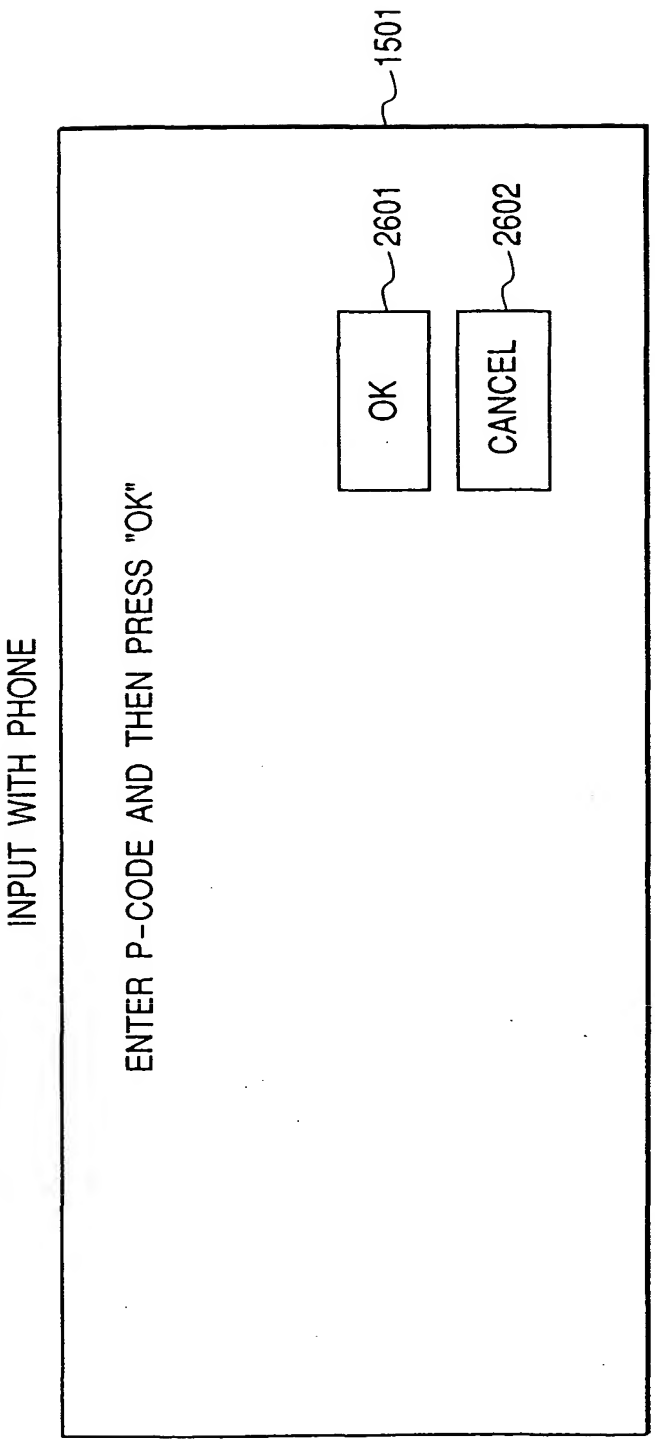

1501
INPUT WITH PHONE
ENTER P-CODE AND THEN PRESS "OK"
2601
OK
2602
CANCEL

FIG. 27

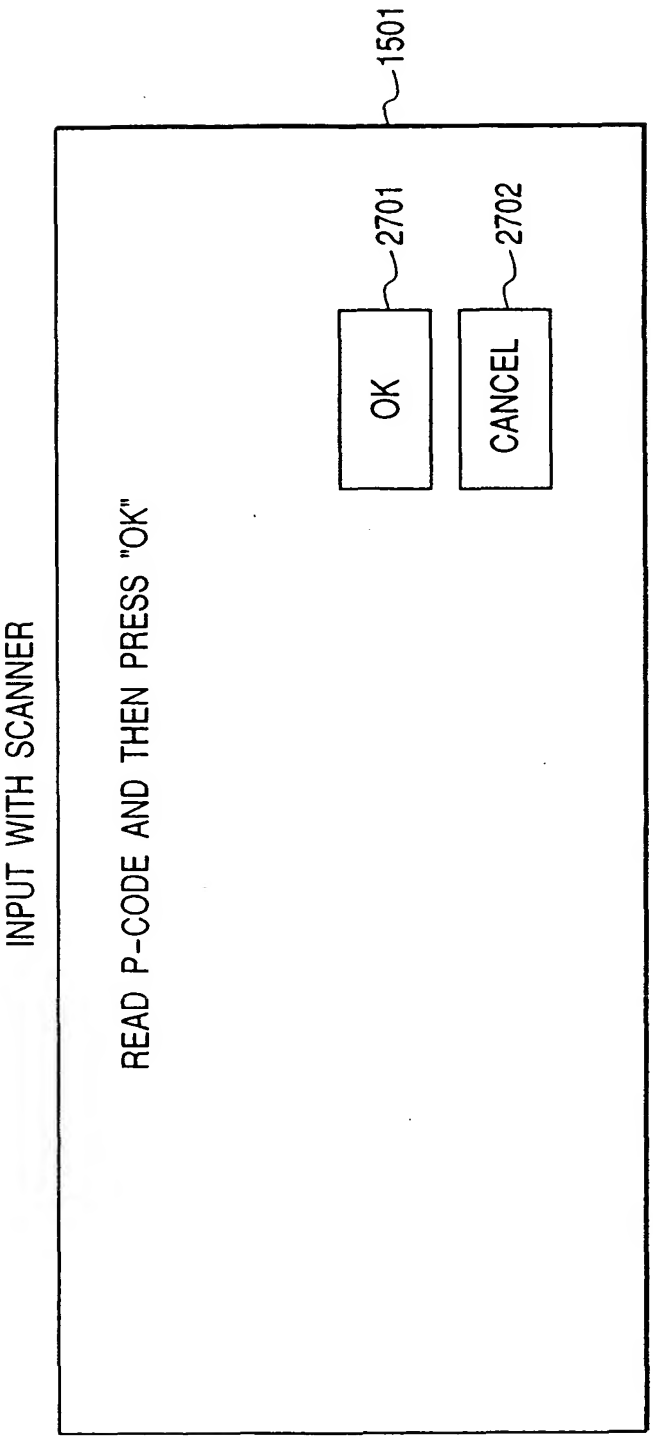

INPUT WITH SCANNER
READ P-CODE AND THEN PRESS "OK"
OK
CANCEL
1501
2701
2702

FIG. 28

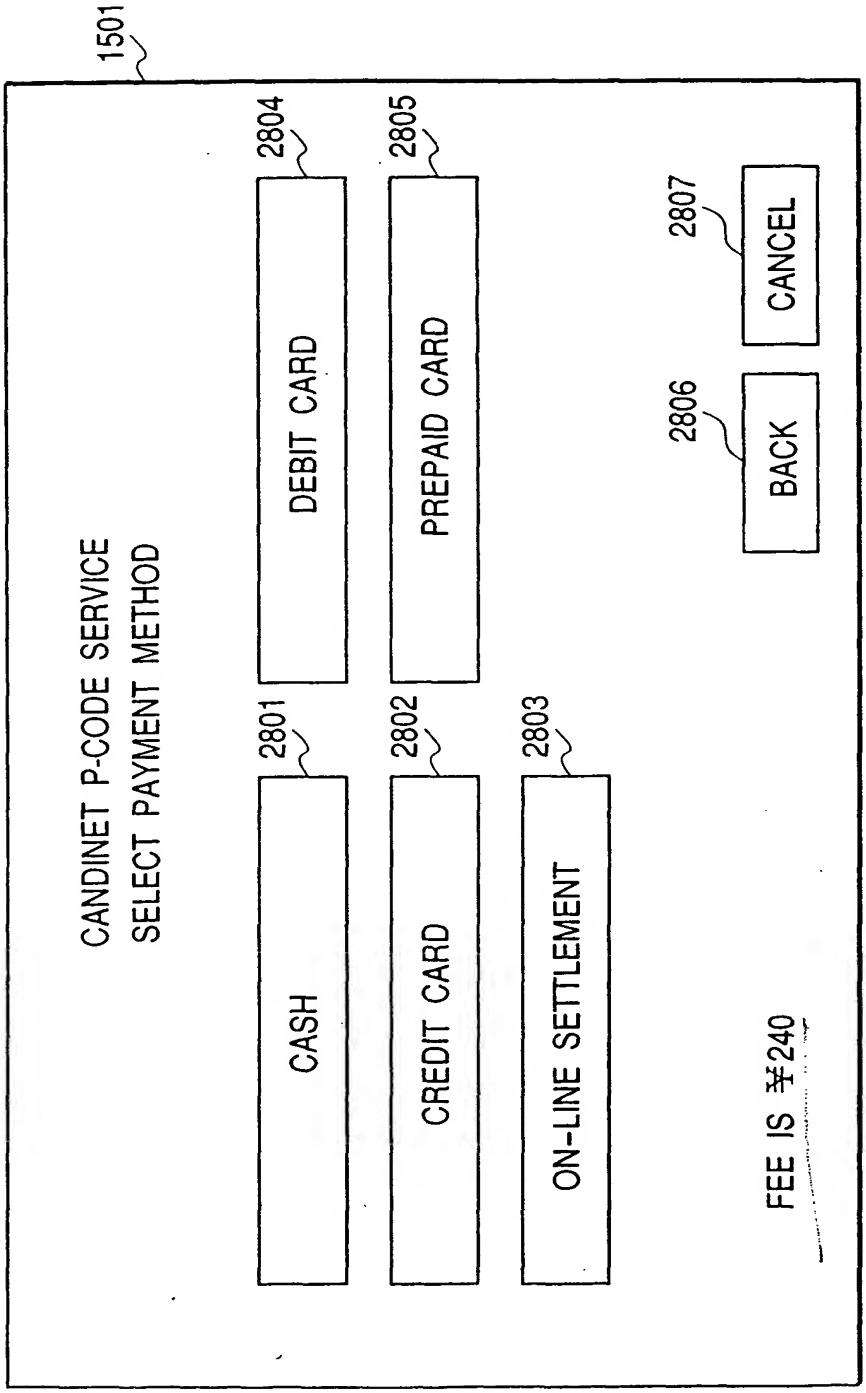

1501
CANDINET P-CODE SERVICE
SELECT PAYMENT METHOD
2801
CASH
2802
CREDIT CARD
2803
ON-LINE SETTLEMENT
2804
DEBIT CARD
2805
PREPAID CARD
2806
BACK
2807
CANCEL
FEE IS ¥240

FIG. 29

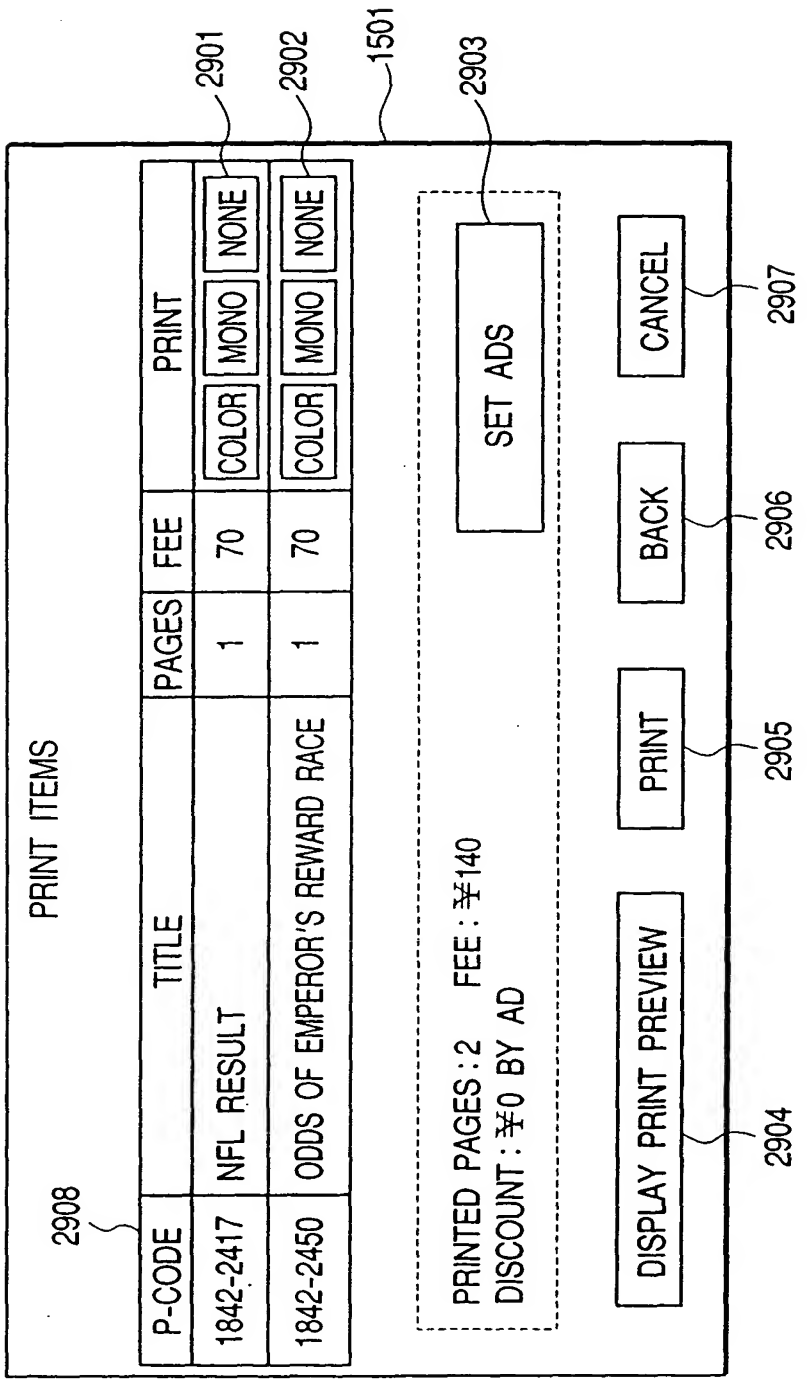

PRINT ITEMS
2908
P-CODE
TITLE
PAGES
FEE
PRINT
1842-2417
NFL RESULT
1
70
COLOR
MONO
NONE
1842-2450
ODDS OF EMPEROR'S REWARD RACE
1
70
COLOR
MONO
NONE
2901
2902
1501
2903
PRINTED PAGES : 2 FEE : ¥140
DISCOUNT : ¥0 BY AD
SET ADS
DISPLAY PRINT PREVIEW
PRINT
BACK
CANCEL
2904
2905
2906
2907

FIG. 30

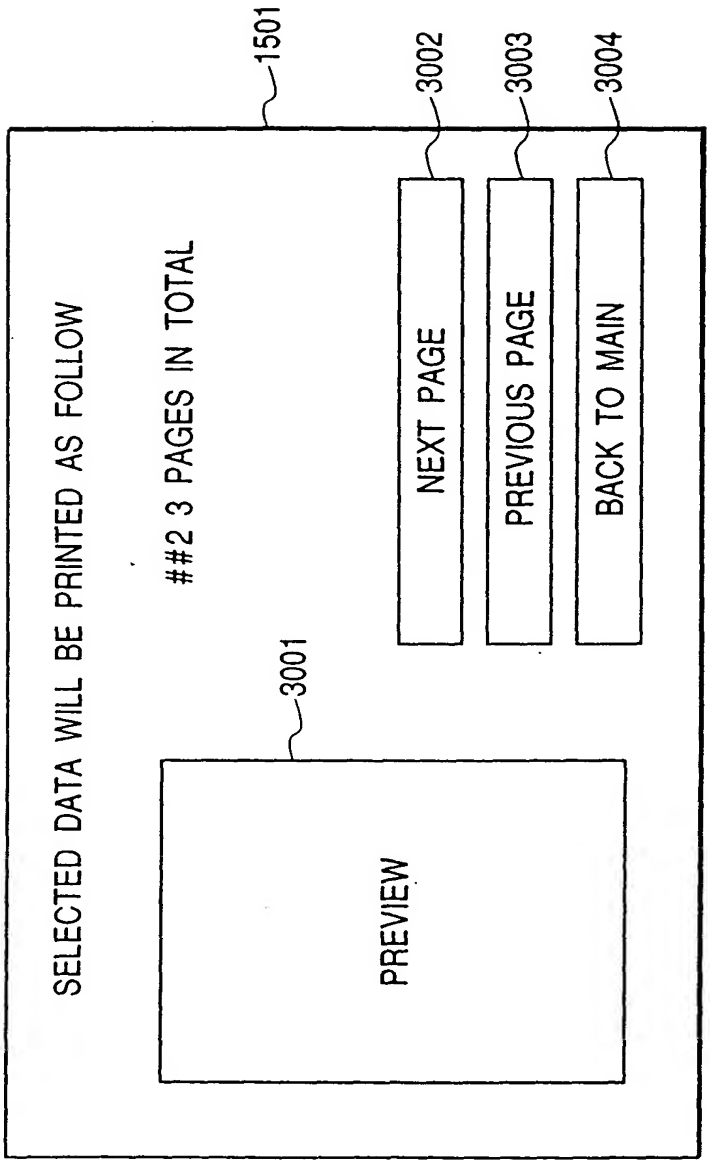

1501
3002
3003
3004
SELECTED DATA WILL BE PRINTED AS FOLLOW
##2 3 PAGES IN TOTAL
NEXT PAGE
PREVIOUS PAGE
BACK TO MAIN
3001
PREVIEW

FIG. 31

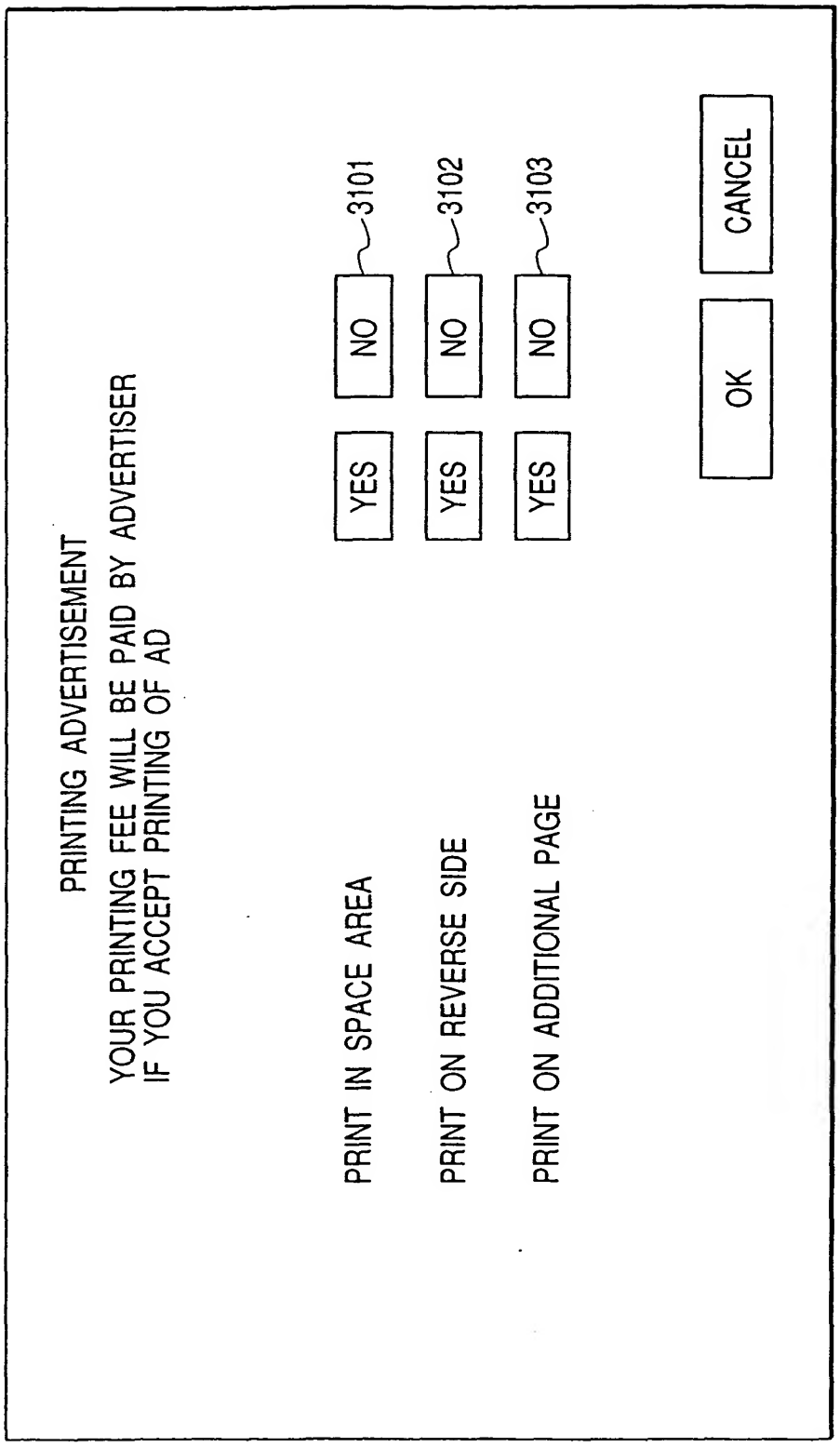

PRINTING ADVERTISEMENT
YOUR PRINTING FEE WILL BE PAID BY ADVERTISER
IF YOU ACCEPT PRINTING OF AD
PRINT IN SPACE AREA
YES
NO
3101
PRINT ON REVERSE SIDE
YES
NO
3102
PRINT ON ADDITIONAL PAGE
YES
NO
3103
OK
CANCEL

FIG. 32

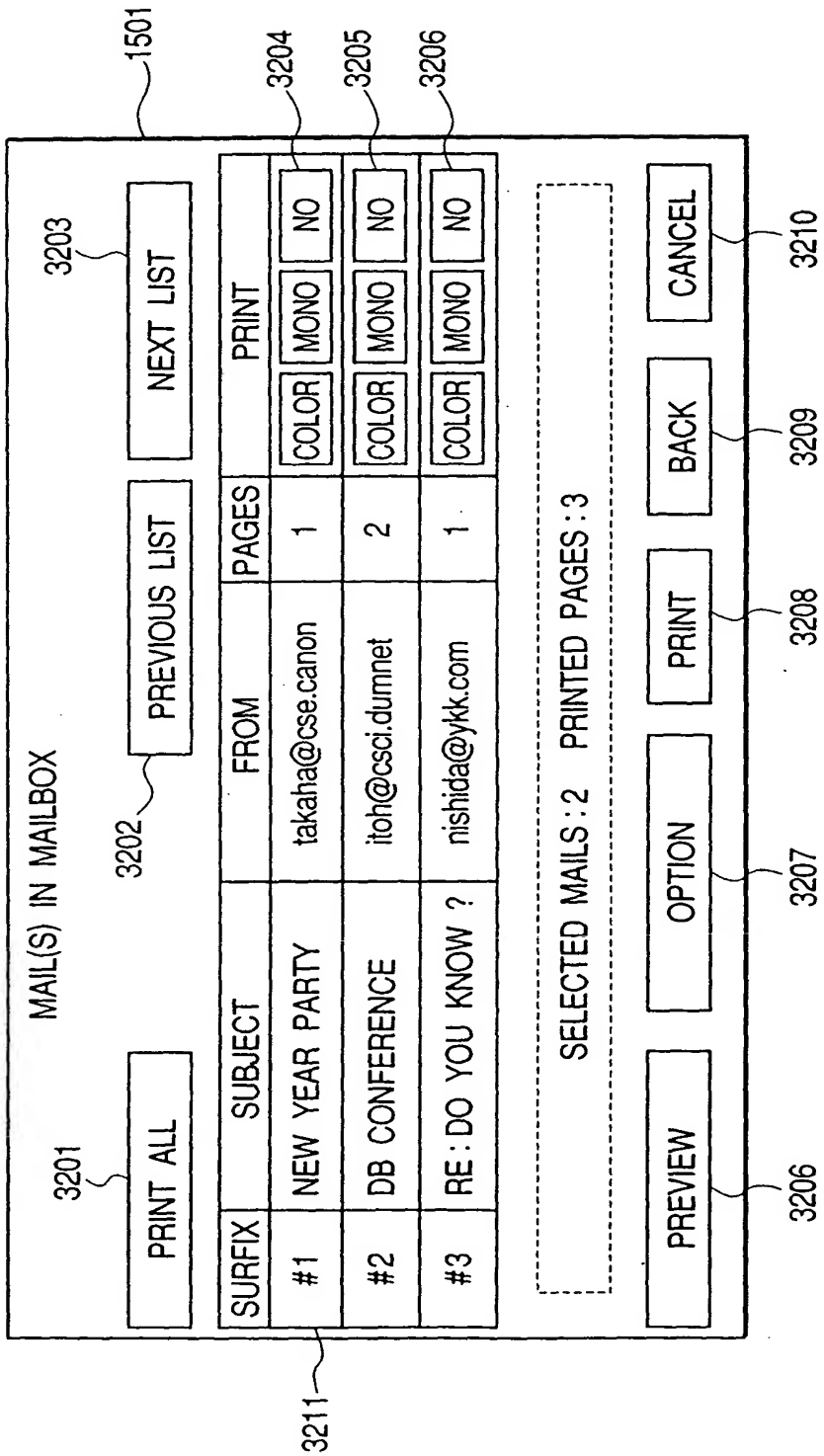

1501
MAIL(S) IN MAILBOX
3201
PRINT ALL
3202
PREVIOUS LIST
3203
NEXT LIST
SURFIX
SUBJECT
FROM
PAGES
PRINT
#1
NEW YEAR PARTY
takaha@cse.canon
1
COLOR
MONO
NO
3204
#2
DB CONFERENCE
itoh@csci.dumnet
2
COLOR
MONO
NO
3205
#3
RE : DO YOU KNOW ?
nishida@ykk.com
1
COLOR
MONO
NO
3206
3211
SELECTED MAILS : 2 PRINTED PAGES : 3
PREVIEW
3206
OPTION
3207
PRINT
3208
BACK
3209
CANCEL
3210

FIG. 33

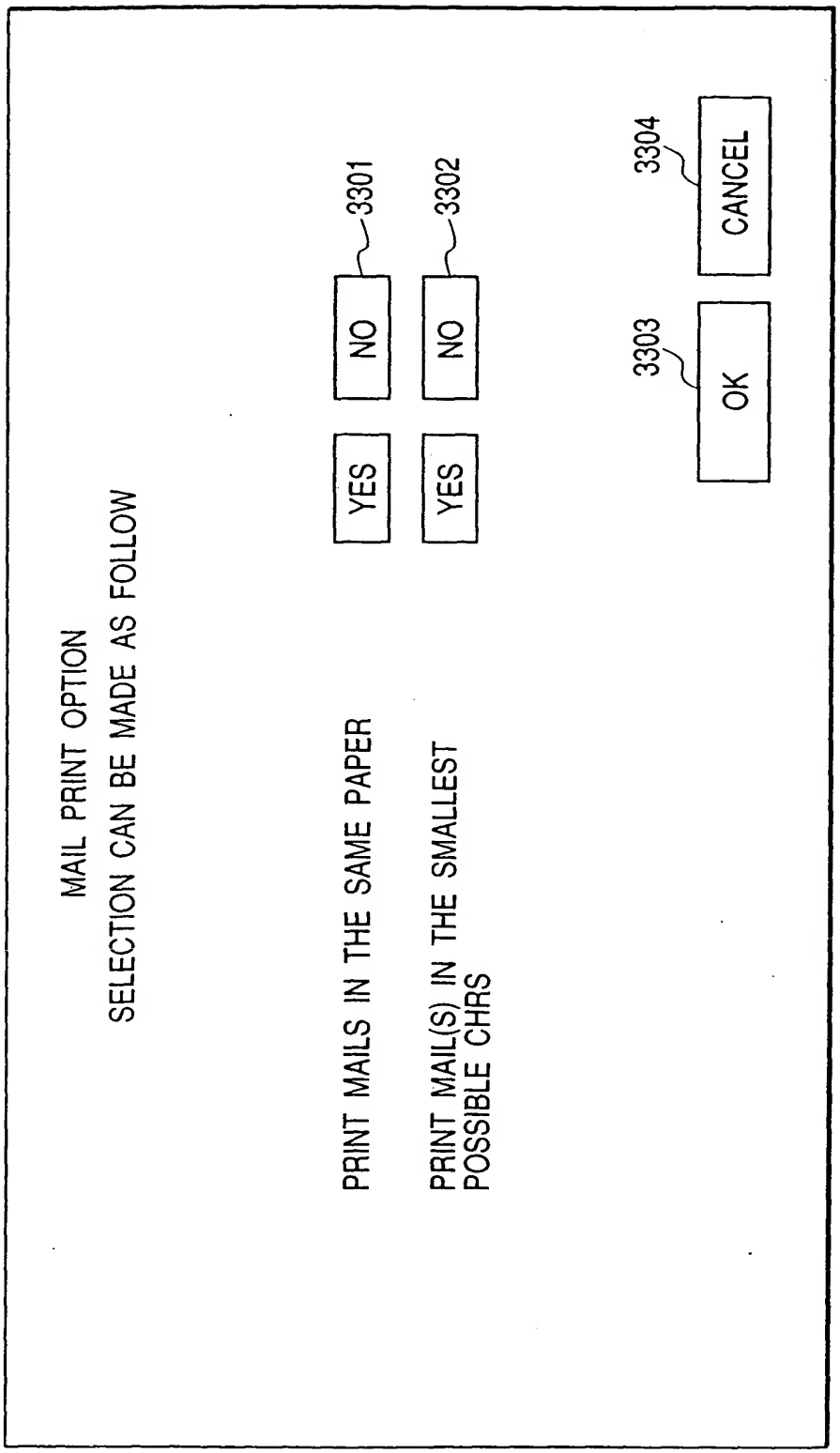

MAIL PRINT OPTION
SELECTION CAN BE MADE AS FOLLOW
PRINT MAILS IN THE SAME PAPER
YES
NO
3301
PRINT MAIL(S) IN THE SMALLEST POSSIBLE CHRS
YES
NO
3302
3303
OK
3304
CANCEL

FIG. 34

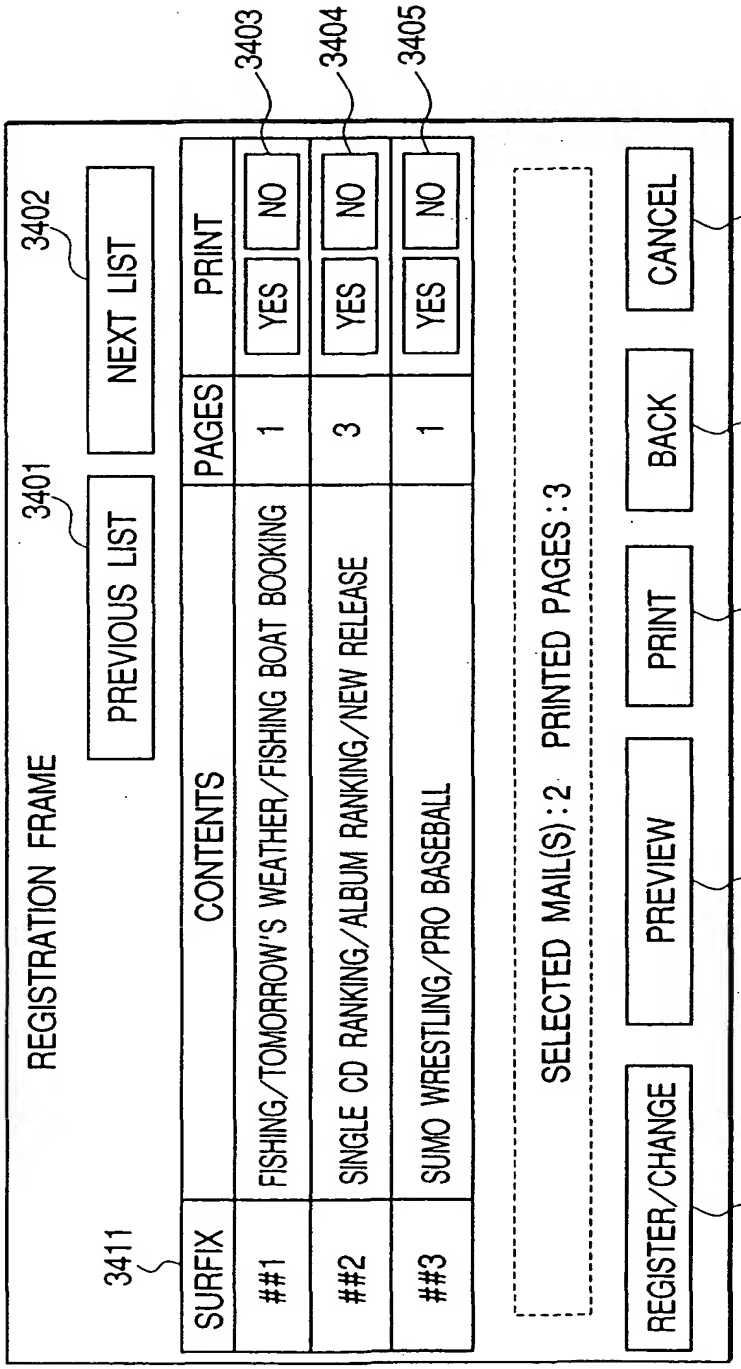

REGISTRATION FRAME
3401
PREVIOUS LIST
3402
NEXT LIST
3411
SURFIX
CONTENTS
PAGES
PRINT
3403
3404
3405
##1
FISHING/TOMORROW'S WEATHER/FISHING BOAT BOOKING
1
YES
NO
##2
SINGLE CD RANKING/ALBUM RANKING/NEW RELEASE
3
YES
NO
##3
SUMO WRESTLING/PRO BASEBALL
1
YES
NO
SELECTED MAIL(S) : 2 PRINTED PAGES : 3
REGISTER/CHANGE
3406
PREVIEW
3407
PRINT
3408
BACK
3409
CANCEL
3410

FIG. 35

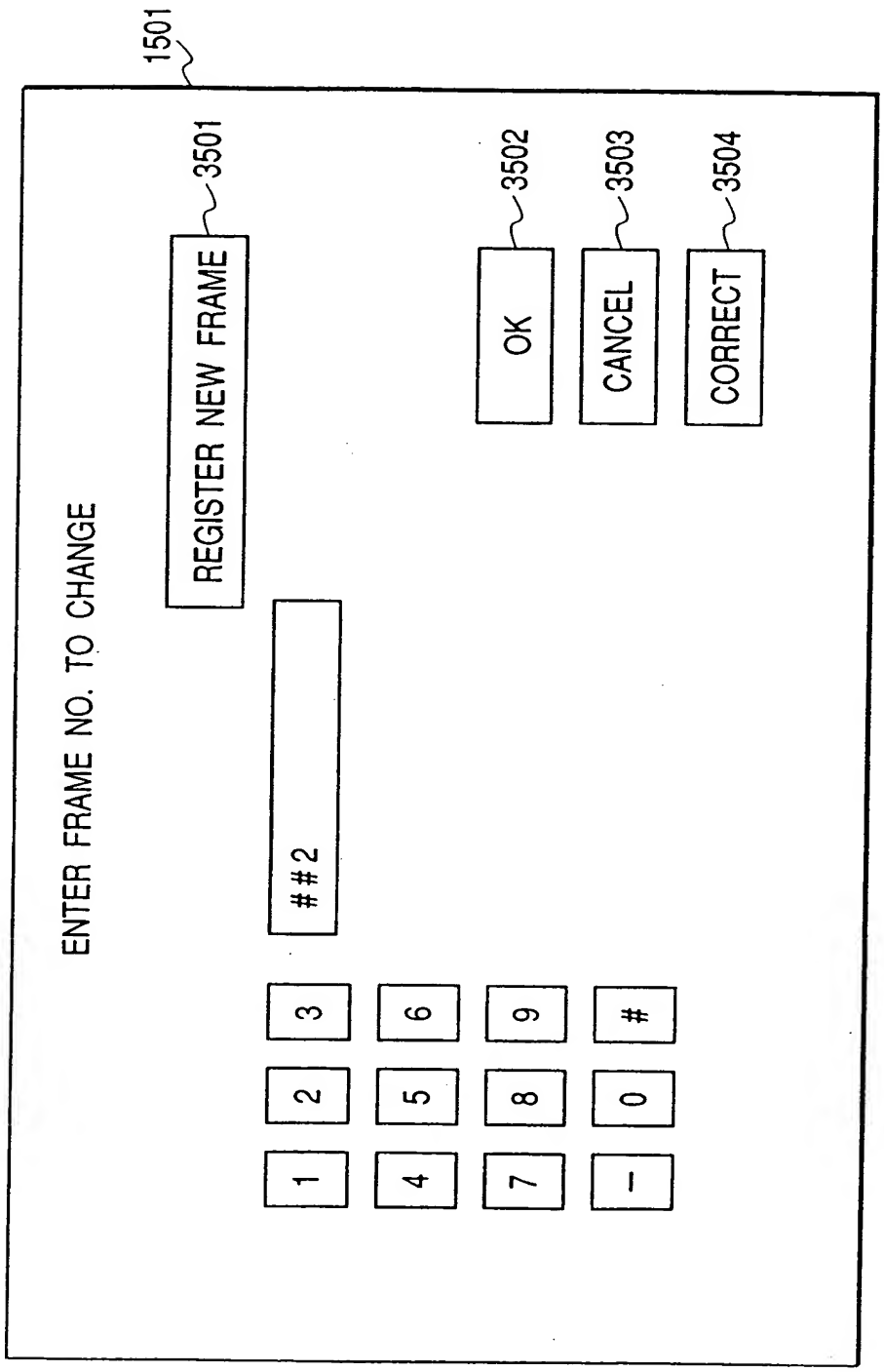

1501
ENTER FRAME NO. TO CHANGE
REGISTER NEW FRAME
3501
##2
OK
3502
CANCEL
3503
CORRECT
3504
1
2
3
4
5
6
7
8
9
–
0
#

FIG. 36

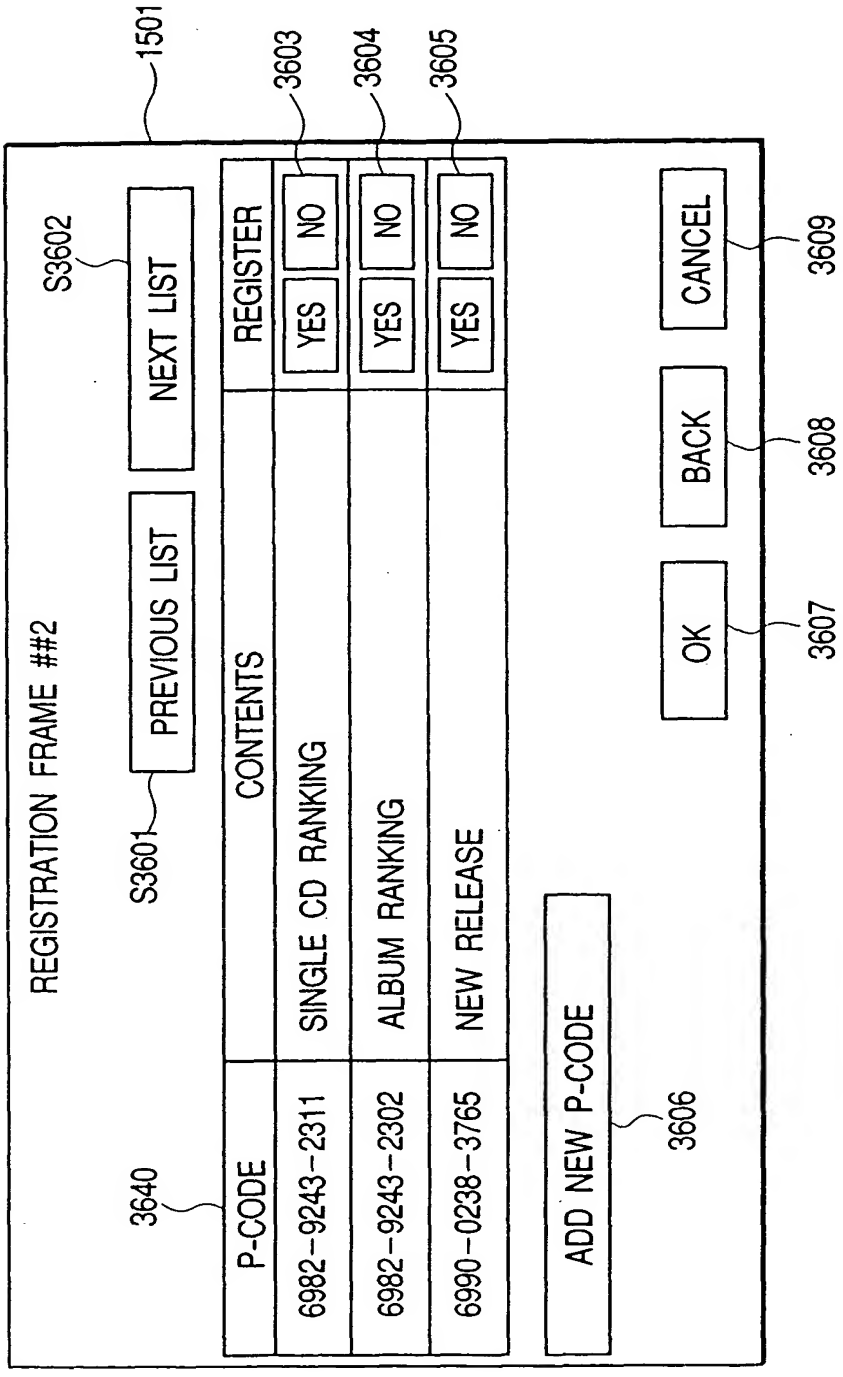

REGISTRATION FRAME ##2
1501
S3601
PREVIOUS LIST
S3602
NEXT LIST
3640
P-CODE
CONTENTS
REGISTER
3603
3604
3605
6982-9243-2311
SINGLE CD RANKING
YES
NO
6982-9243-2302
ALBUM RANKING
YES
NO
6990-0238-3765
NEW RELEASE
YES
NO
ADD NEW P-CODE
3606
OK
3607
BACK
3608
CANCEL
3609

FIG. 37

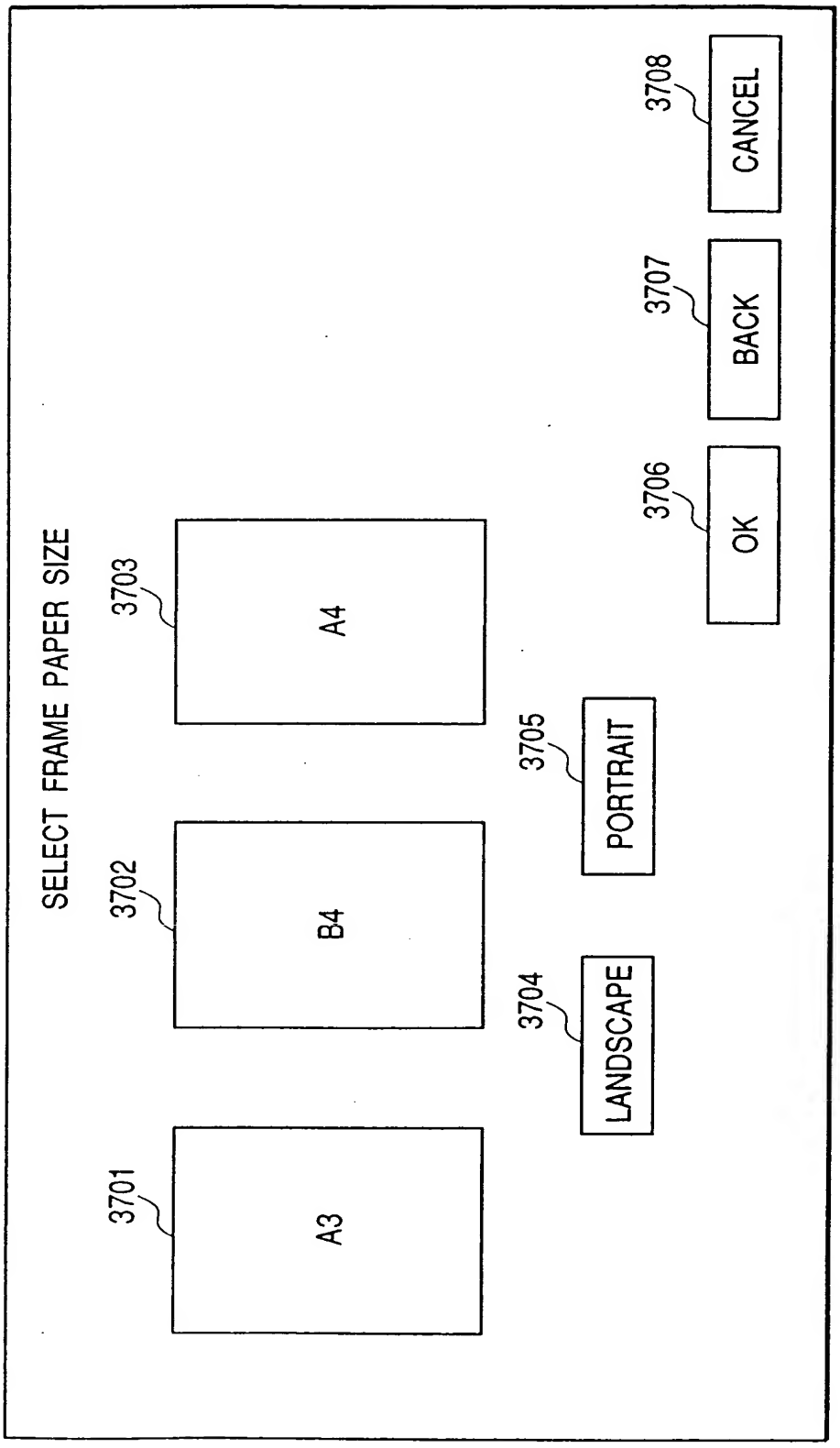

SELECT FRAME PAPER SIZE
3701
A3
3702
B4
3703
A4
3704
LANDSCAPE
3705
PORTRAIT
3706
OK
3707
BACK
3708
CANCEL

FIG. 38

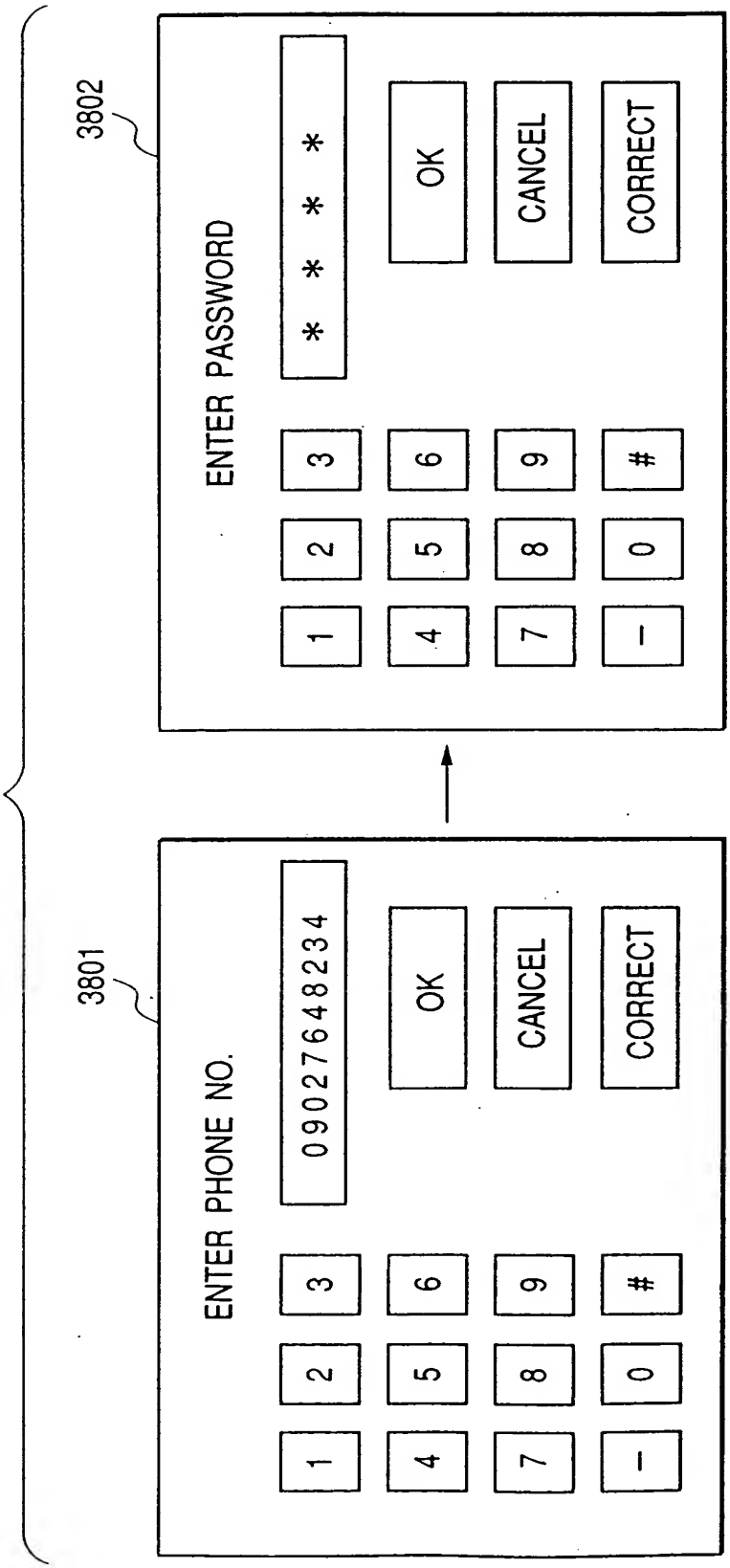

3801
ENTER PHONE NO.
0902764823 4
OK
CANCEL
CORRECT
1
2
3
4
5
6
7
8
9
–
0
#
3802
ENTER PASSWORD
* * * * *
OK
CANCEL
CORRECT
1
2
3
4
5
6
7
8
9
–
0
#

FIG. 39

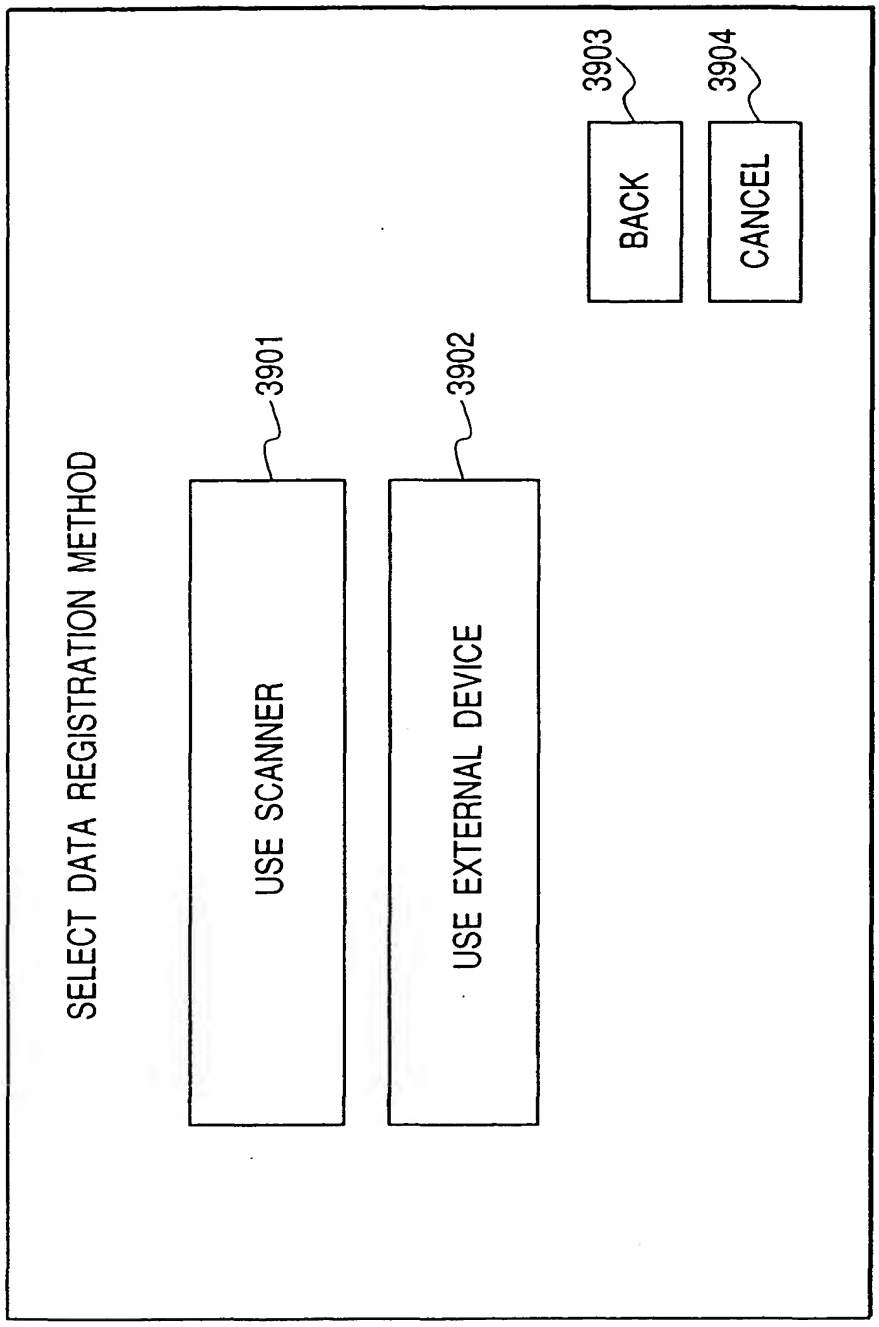

SELECT DATA REGISTRATION METHOD
USE SCANNER
3901
USE EXTERNAL DEVICE
3902
BACK
3903
CANCEL
3904

FIG. 40

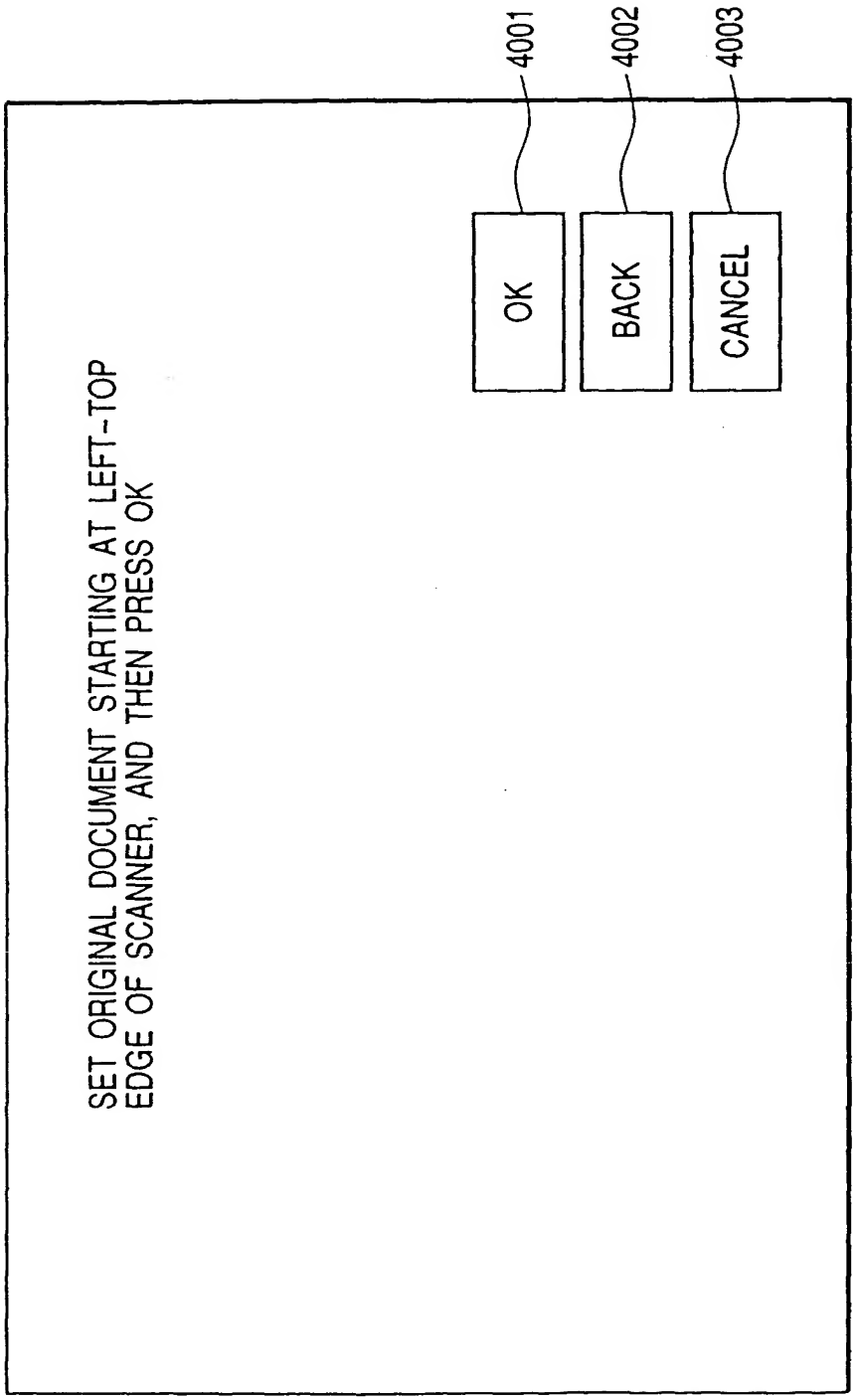

SET ORIGINAL DOCUMENT STARTING AT LEFT-TOP EDGE OF SCANNER, AND THEN PRESS OK
OK
BACK
CANCEL
4001
4002
4003

FIG. 41

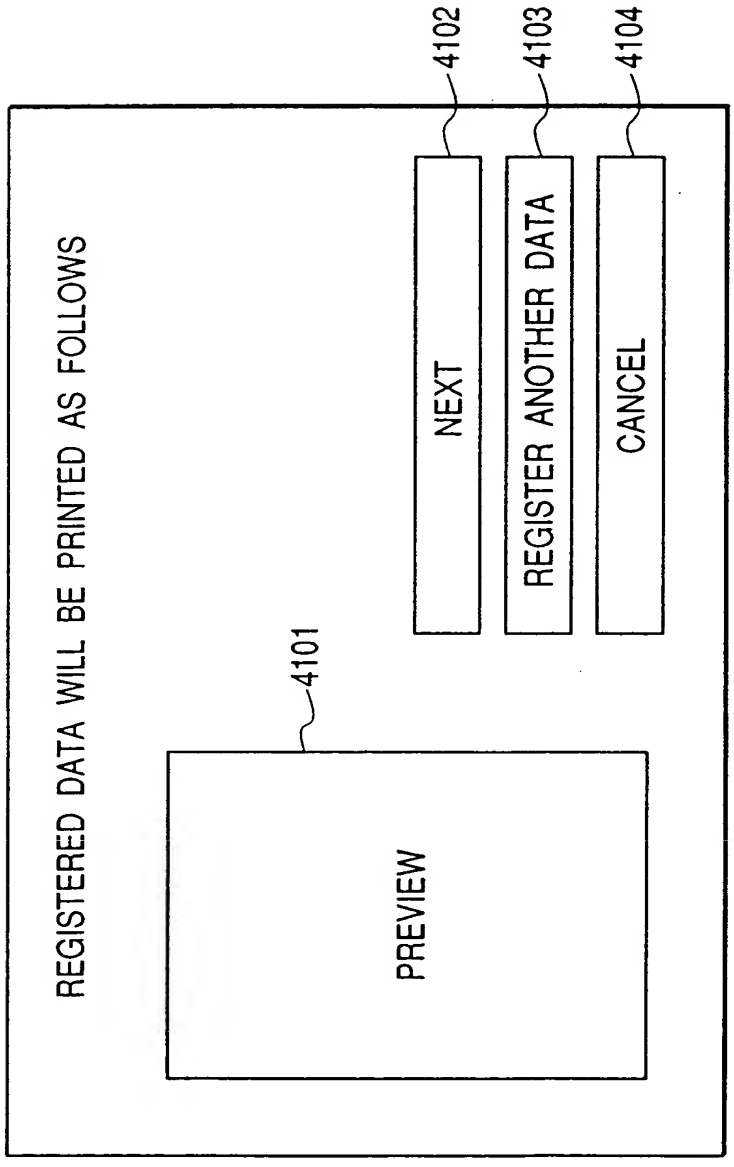

REGISTERED DATA WILL BE PRINTED AS FOLLOWS
PREVIEW
4101
NEXT
4102
REGISTER ANOTHER DATA
4103
CANCEL
4104

FIG. 42

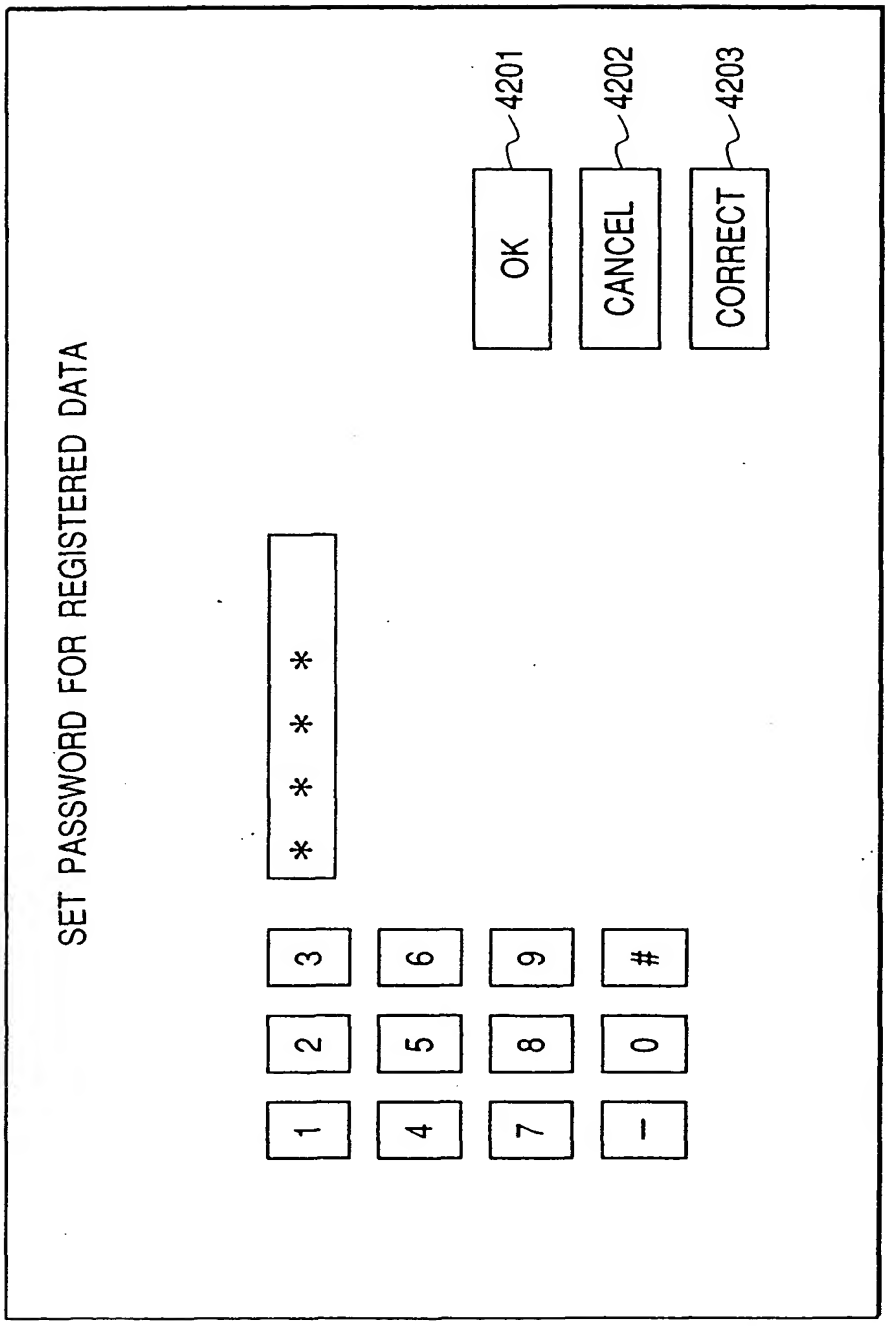

SET PASSWORD FOR REGISTERED DATA
* * * *
1
2
3
4
5
6
7
8
9
–
0
#
OK
4201
CANCEL
4202
CORRECT
4203

FIG. 43

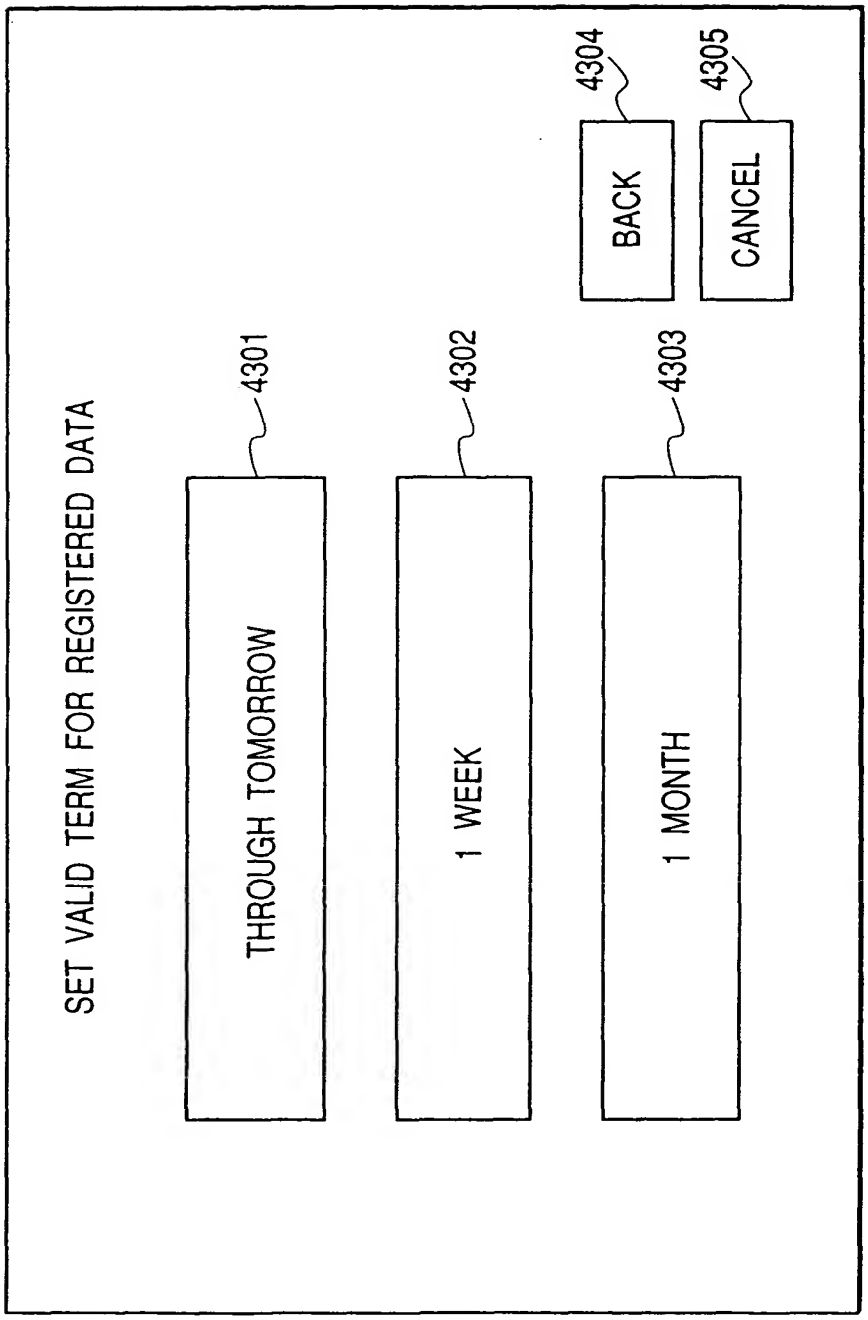

SET VALID TERM FOR REGISTERED DATA
THROUGH TOMORROW
1 WEEK
1 MONTH
BACK
CANCEL
4301
4302
4303
4304
4305

FIG. 44

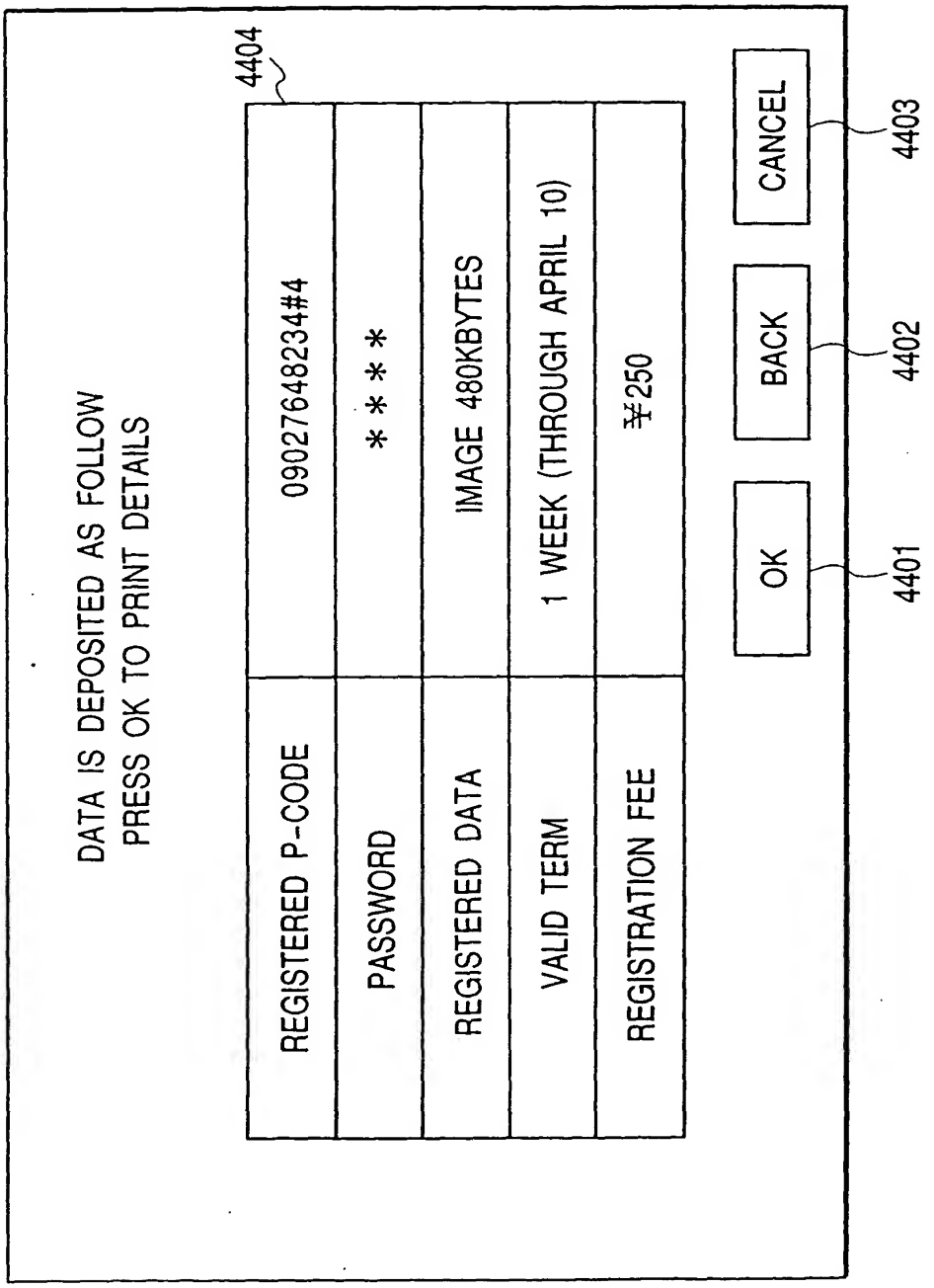

DATA IS DEPOSITED AS FOLLOW
PRESS OK TO PRINT DETAILS
4404
REGISTERED P-CODE
09027648234#4
PASSWORD
* * * *
REGISTERED DATA
IMAGE 480KBYTES
VALID TERM
1 WEEK (THROUGH APRIL 10)
REGISTRATION FEE
¥250
OK
BACK
CANCEL
4401
4402
4403

FIG. 45

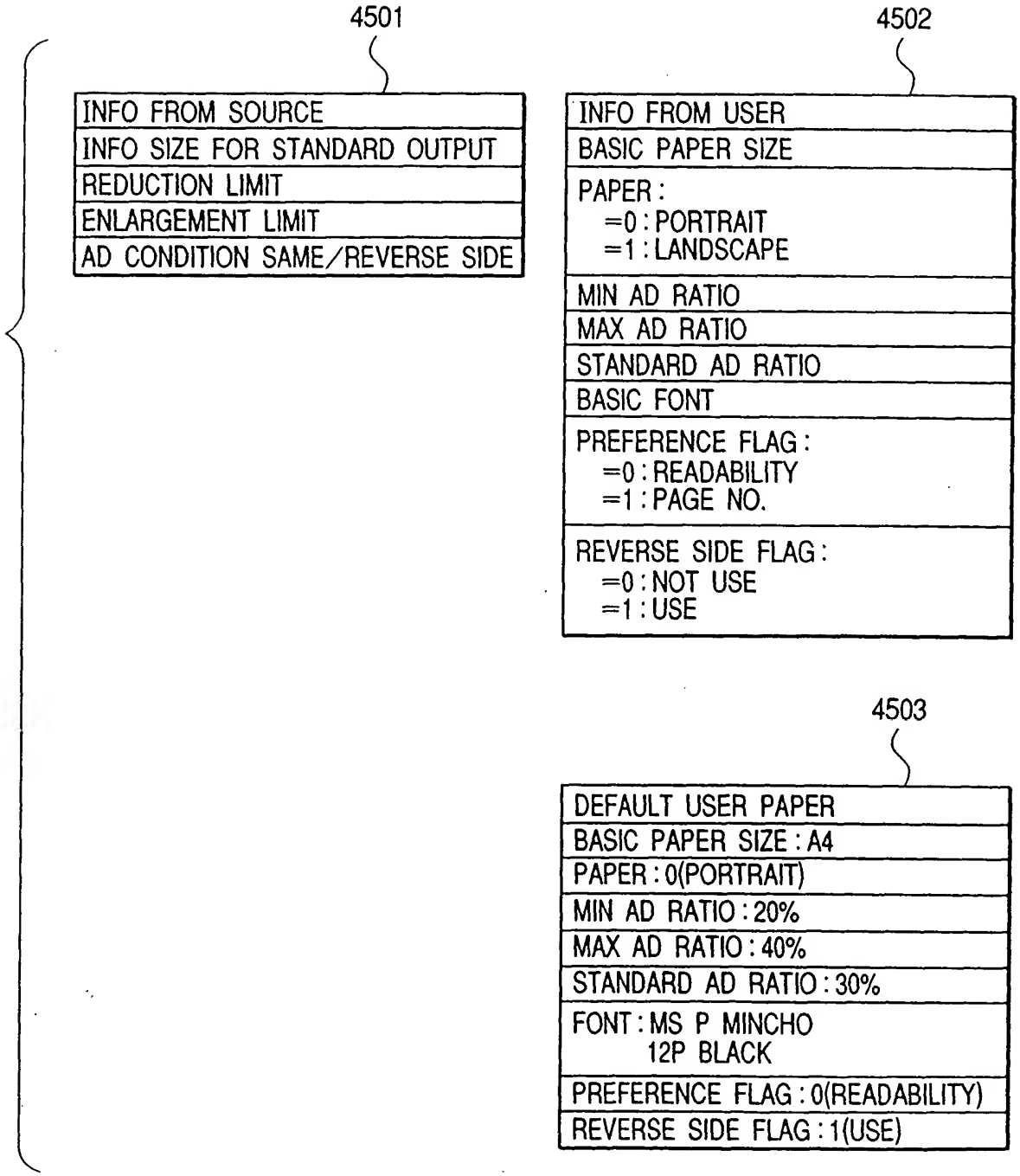

4501
INFO FROM SOURCE
INFO SIZE FOR STANDARD OUTPUT
REDUCTION LIMIT
ENLARGEMENT LIMIT
AD CONDITION SAME/REVERSE SIDE
4502
INFO FROM USER
BASIC PAPER SIZE
PAPER :
=0 : PORTRAIT
=1 : LANDSCAPE
MIN AD RATIO
MAX AD RATIO
STANDARD AD RATIO
BASIC FONT
PREFERENCE FLAG :
=0 : READABILITY
=1 : PAGE NO.
REVERSE SIDE FLAG :
=0 : NOT USE
=1 : USE
4503
DEFAULT USER PAPER
BASIC PAPER SIZE : A4
PAPER : 0(PORTRAIT)
MIN AD RATIO : 20%
MAX AD RATIO : 40%
STANDARD AD RATIO : 30%
FONT : MS P MINCHO
12P BLACK
PREFERENCE FLAG : 0(READABILITY)
REVERSE SIDE FLAG : 1(USE)

FIG. 46

4601

IP INFO TABLE

P-CODE	ID	PARENT CODE SUB-CODE FLAG SUB-CODE LINK	LINK P-CODE
	BASIC PROPERTY	OWNER ID (FIG. 51)	
		TITLE SUB-TITLE (SUMMARY) STATUS PRICE SIZE AD CONDITION PASSWORD STARTING DATE TERM CODE VALID TERM MAX ENLARGEMENT MIN REDUCTION GENRE SUB-GENRE AREA CODE KEYWORD LIST KEYWORD WEIGHT LIST	REGISTERED, AVAILABLE SUSPENDED, DISCONTINUED FOR AREA-BASED INFO
	FRAME INFO	P-CODE	
	NON-LINK INFO	P-CODE LINKED TO THIS INFO	
	REAL FILE INFO	NO. OF FILES FILE NAMES	

FIG. 47

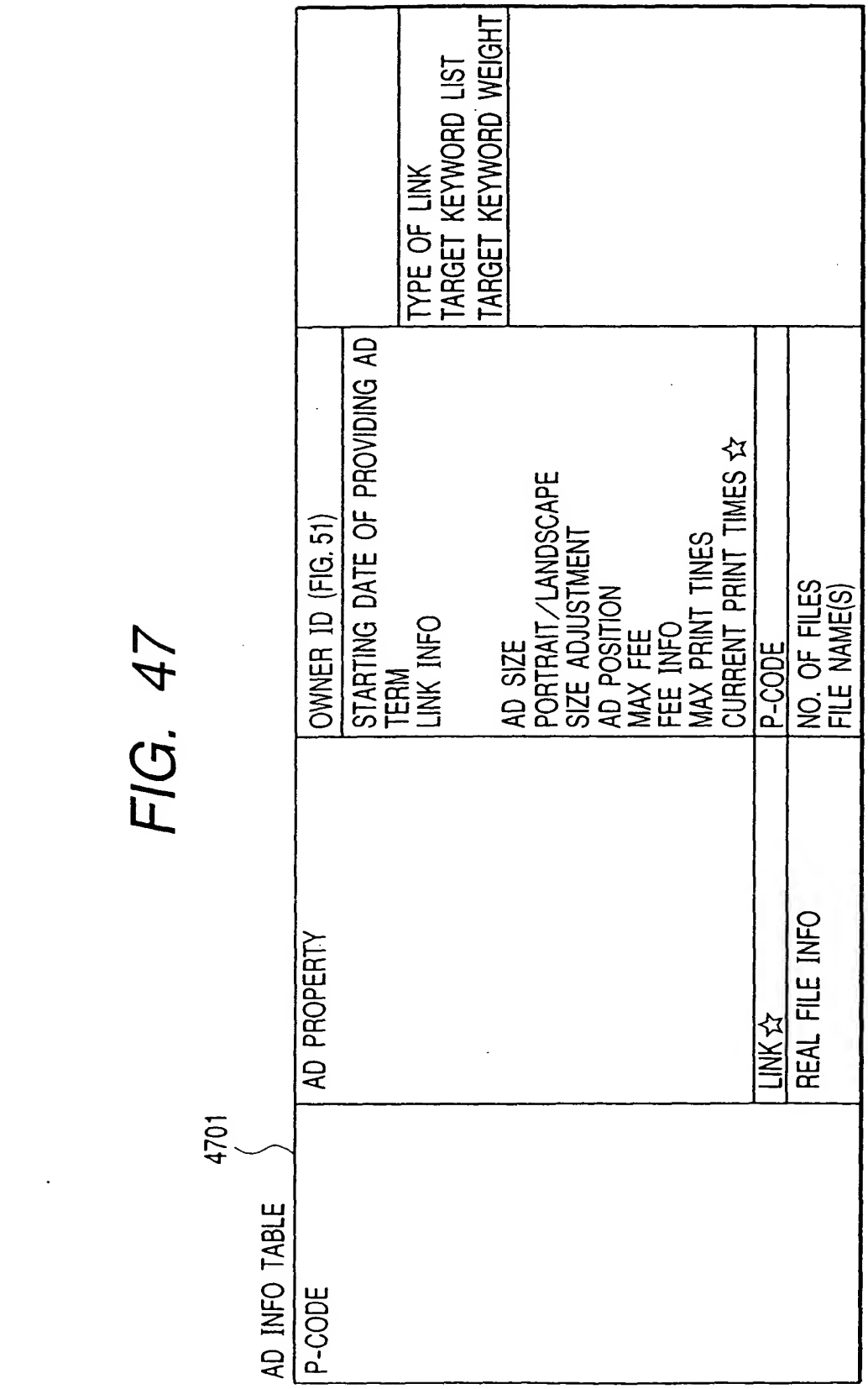

4701
AD INFO TABLE
P-CODE
AD PROPERTY
OWNER ID (FIG. 51)
STARTING DATE OF PROVIDING AD
TERM
LINK INFO
AD SIZE
PORTRAIT/LANDSCAPE
SIZE ADJUSTMENT
AD POSITION
MAX FEE
FEE INFO
MAX PRINT TINES
CURRENT PRINT TIMES ☆
LINK☆
P-CODE
REAL FILE INFO
NO. OF FILES
FILE NAME(S)
TYPE OF LINK
TARGET KEYWORD LIST
TARGET KEYWORD WEIGHT

FIG. 48

FIG. 48A

FIG. 48A
FIG. 48B

4801

USER INFO TABLE

USER P-CODE (PHONE NO.)	USER PROFILE	〒 ADDRESS SERVICE TYPE COMPANY NAME TYPE-OF-INDUSTRY ID TYPE OF INDUSTRY (OTHERS) SECTION TITLE JOB PRINT SHEET	
			LAYOUT PRIORITY PAPER SIZE PAPER DIRECTION AD
		DATE OF BIRTH BLOOD TYPE SEX EDUCATION JOB ID JOB (OTHERS) MARRIED NO. OF FAMILY MEMBERS INCOME SAVINGS ESTATE CAR DISPLACEMENT CAR TYPE MOTORCYCLE DISPLACEMENT CYCLE TYPE	

TO FIG. 48B

FIG. 48B

FROM FIG. 48A

		PET (OWNED) PET (WANTED) HOBBY MUSIC MOVIE SPORT (WATCH) SPORT (DO) FISHING FAVORITE GENRE
	PERSONAL INFO TABLE	USER ID TO ANOTHER DB (FIG. 50)
	MAIL SERVICE INFO	NO. OF MAILES MAX ENLARGEMENT MIN REDUCTION P-CODE LIST
	DELIVERY SERVICE INFO	NO. OF REGISTERED DATA P-CODE LIST
	PERSONAL P-CODE SERVICE INFO	NO. OF REGISTERED DATA P-CODE LIST

MAIL SERVICE P-CODE TABLE

P-CODE (PHONE NO./#NO.)	MAIL PROPERTY	SUBJECT SENDER SENDING DATE
	REAL FILE INFO	NO. OF FILES FILE NAME(S)

4802

DELIVERY SERVICE P-CODE TABLE

P-CODE (PHONE NO./-NO.)	INFO PROPERTY	TITLE ※ REGISTRATION DATE VALID TERM PASSWORD
	REAL FILE INFO	NO. OF FILES FILE NAME(S)

4803

FIG. 49

4901

PERSONAL P-CODE SERVICE P-CODE TABLE

P-CODE (PHONE NO./ ##NO.)	PROPERTY OF PERSONAL P-CODE INFO	TITLE LAST PRINTING DATE PRINT PAPER	 LAYOUT PRIORITY PAPER SIZE PAPER DIRECTION AD
	REGISTERED P-CODE INFO	NO. OF REGISTERED P-CODES P-CODE LIST	

FIG. 50

5001

PERSONAL INFO TABLE

USER-ID	FAMILY NAME (ALPHABET) GIVEN NAME (ALPHABET) FAMILY NAME (CHINESE) GIVEN NAME (CHINESE) MIDDLE NAME 〒 ADDRESS PHONE FAX CELL PHONE E-MAIL ADDRESS PASSWORD COMPANY NAME TYPE-OF-INDUSTRY ID TYPE OF INDUSTRY (OTHERS) SECTION TITLE JOB COMPANY 〒 COMPANY ADDRESS COMPANY PHONE COMPANY FAX CHARGE TO DISK AREA CHARGE HISTORY	 CREDIT CARD CARD NO. VALID TERM

FIG. 51

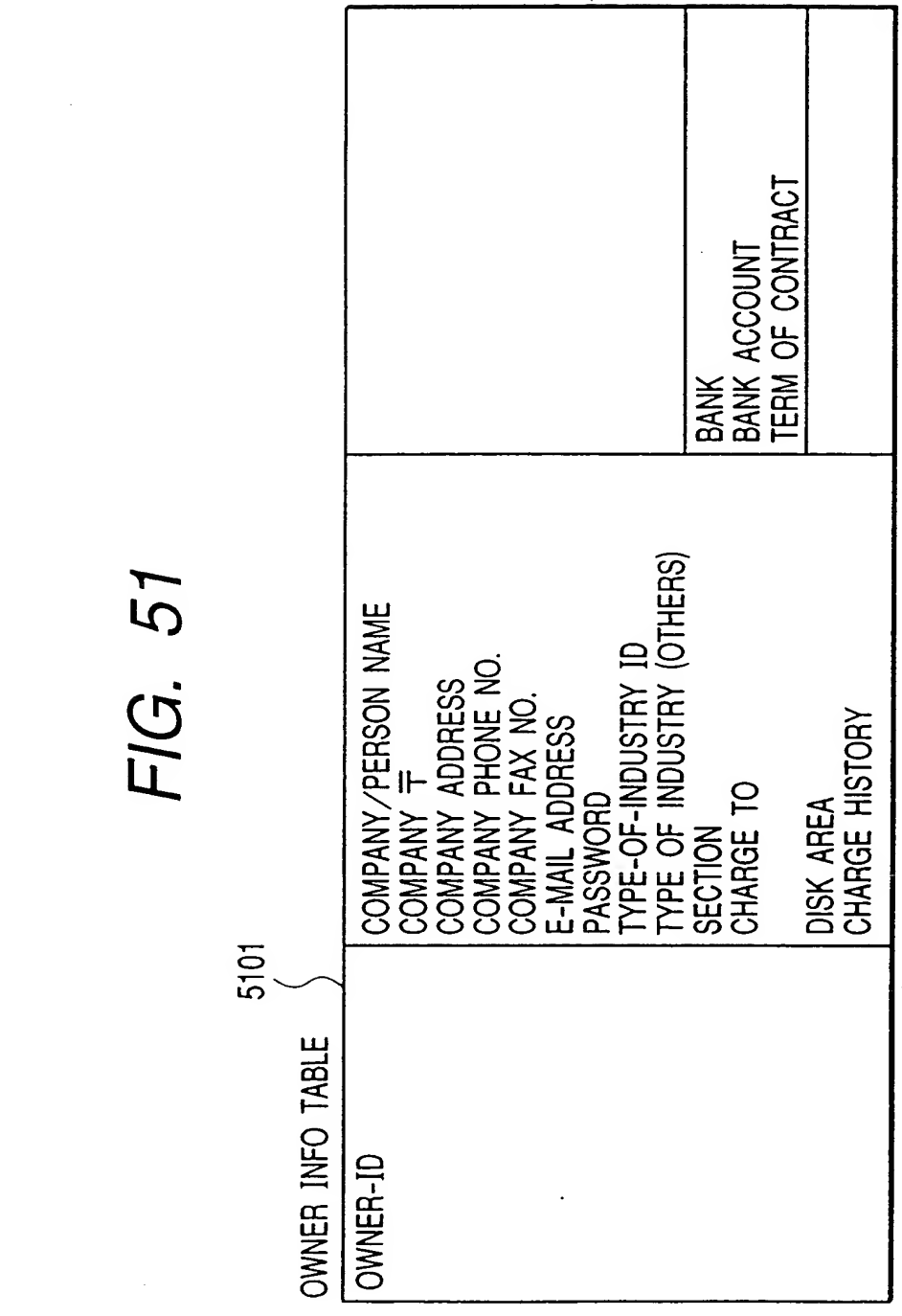

5101
OWNER INFO TABLE
OWNER-ID
COMPANY/PERSON NAME
COMPANY 〒
COMPANY ADDRESS
COMPANY PHONE NO.
COMPANY FAX NO.
E-MAIL ADDRESS
PASSWORD
TYPE-OF-INDUSTRY ID
TYPE OF INDUSTRY (OTHERS)
SECTION
CHARGE TO
DISK AREA
CHARGE HISTORY
BANK
BANK ACCOUNT
TERM OF CONTRACT

FIG. 52

TERMINAL INFO TABLE

TERMINAL ID	OWNER ID AREA TERMINAL TYPE	
	AREA	COUNTRY ADDRESS
	TERMINAL VERSION SOFTWARE VERSION INPUT DEVICE STORAGE CAPACITY OUTPUT DEVICE	
	LANGUAGE PRINT ABILITY	PAPER SIZE DOUBLE/SINGLE-SIDED COLOR/MONO PRINT SPEED FONT
	TERMINAL STATUS	PRINT SPOOL STATUS STORAGE FREE SPACE P-CODE CACHE

FIG. 53

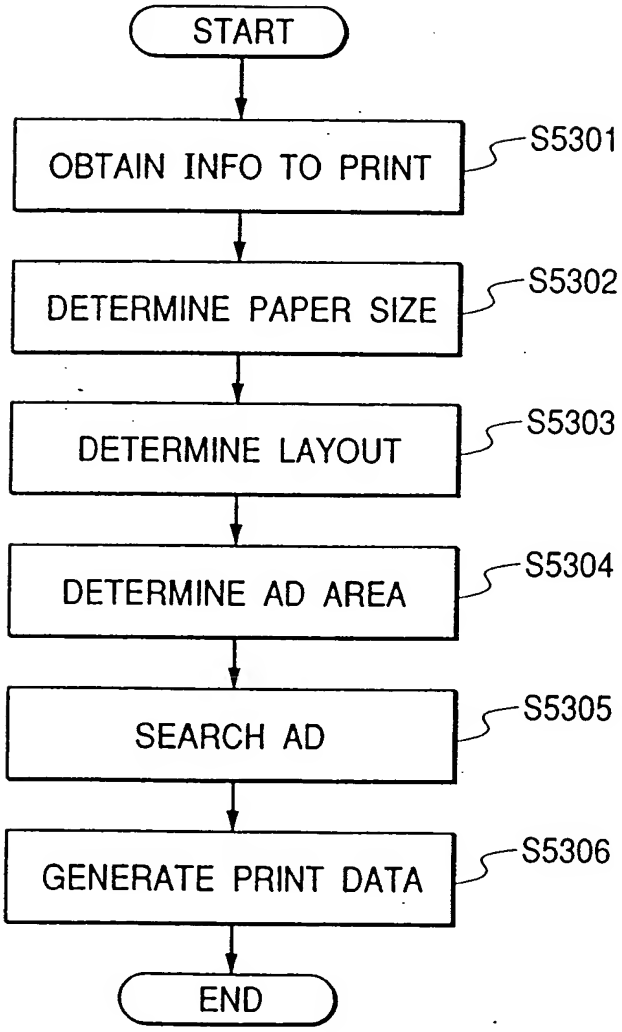

START
OBTAIN INFO TO PRINT
S5301
DETERMINE PAPER SIZE
S5302
DETERMINE LAYOUT
S5303
DETERMINE AD AREA
S5304
SEARCH AD
S5305
GENERATE PRINT DATA
S5306
END

FIG. 54

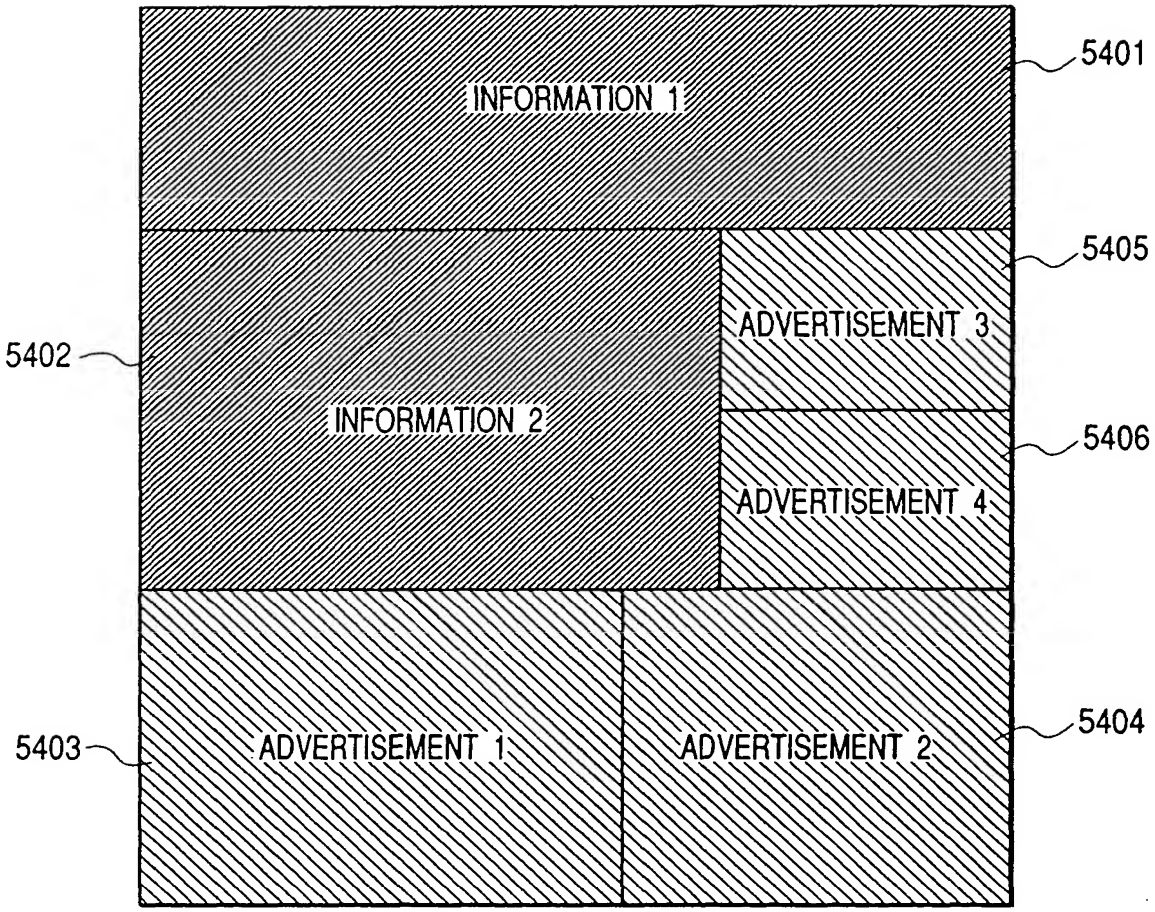
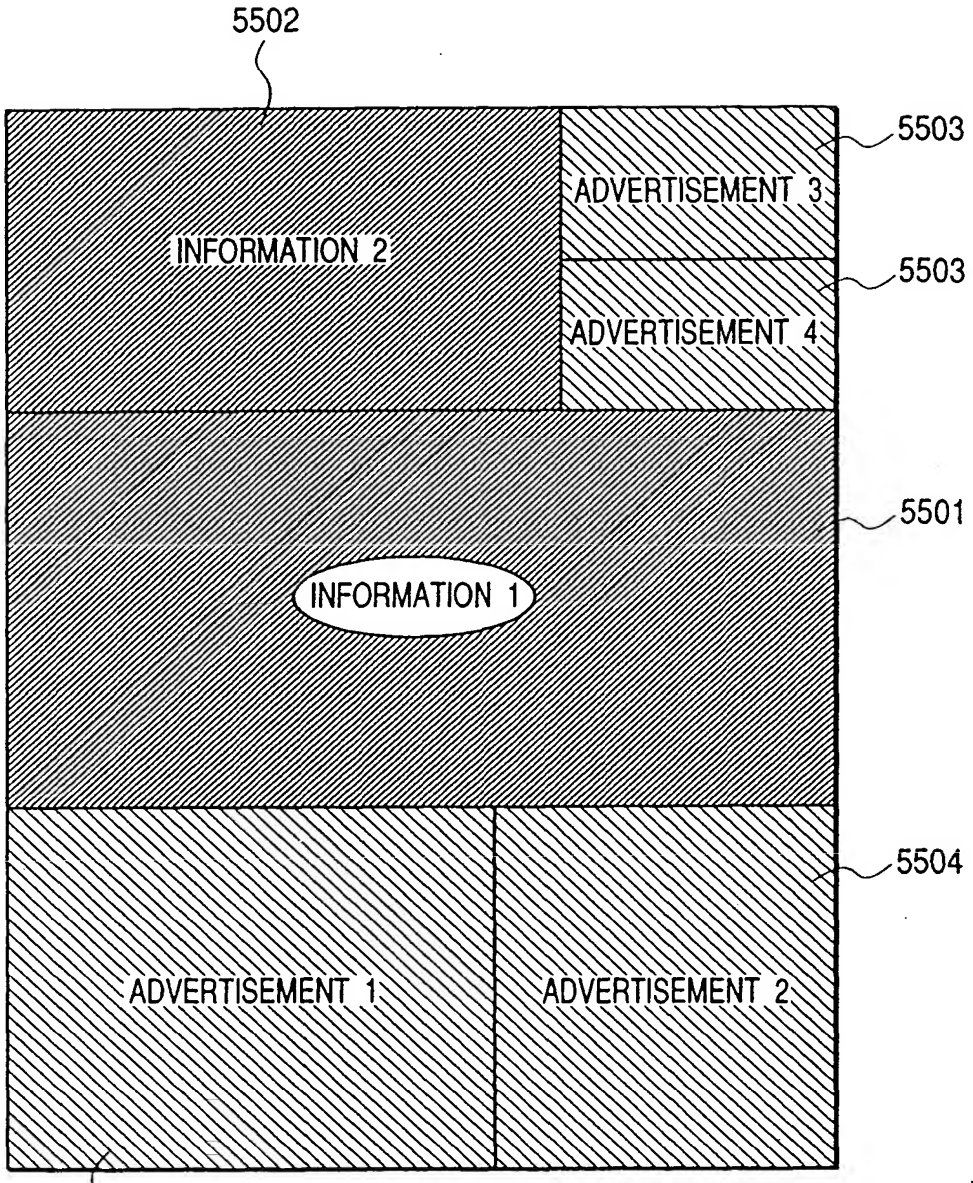

INFORMATION 1
5401
5405
ADVERTISEMENT 3
5402
INFORMATION 2
5406
ADVERTISEMENT 4
5403
ADVERTISEMENT 1
ADVERTISEMENT 2
5404

FIG. 55



ADVERTISEMENT 1 : 10×20
ADVERTISEMENT 2 : 10×10
ADVERTISEMENT 3 : 5×10
ADVERTISEMENT 4 : 5×10

FIG. 56

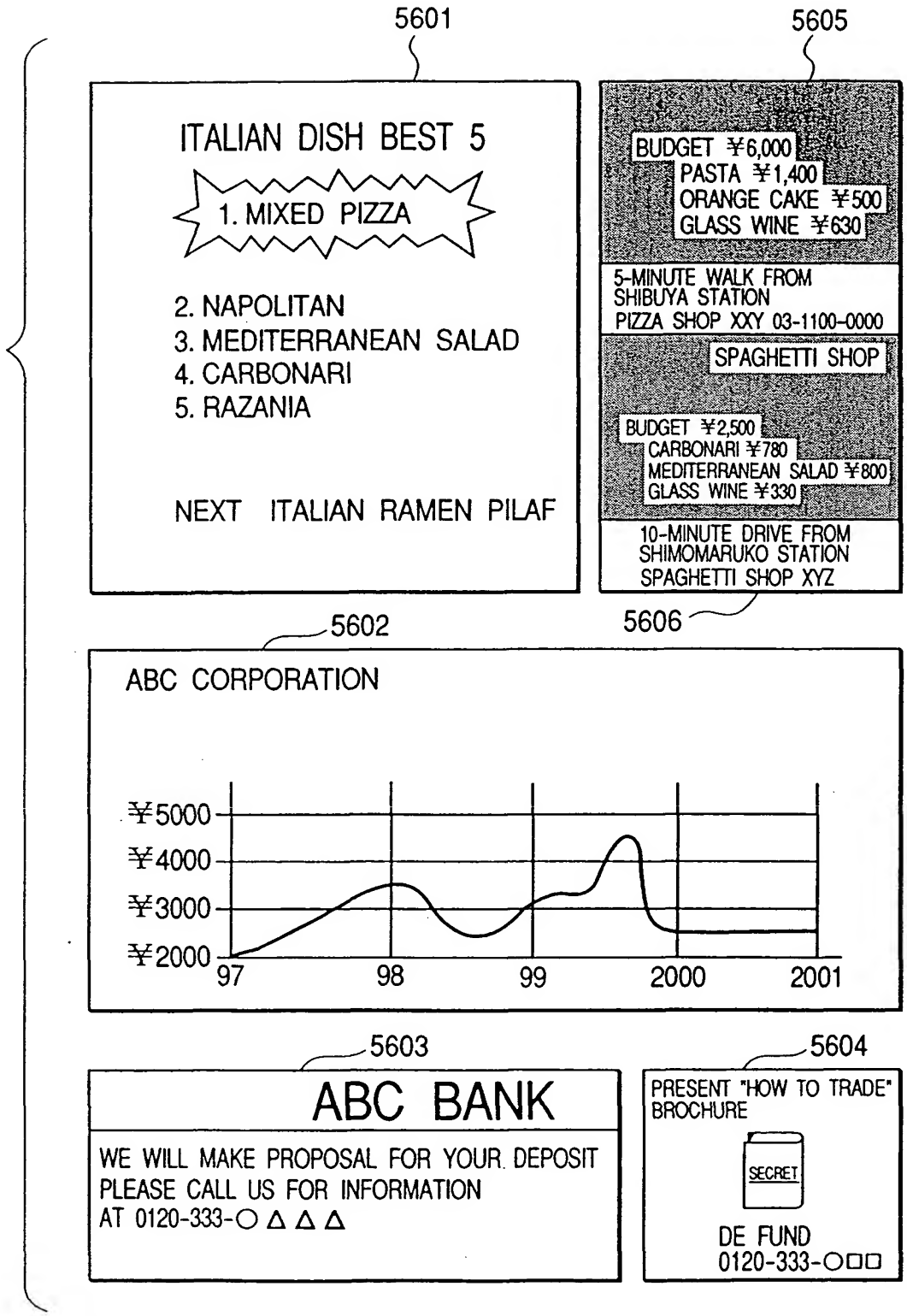

5601
ITALIAN DISH BEST 5
1. MIXED PIZZA
2. NAPOLITAN
3. MEDITERRANEAN SALAD
4. CARBONARI
5. RAZANIA
NEXT ITALIAN RAMEN PILAF
5605
BUDGET ¥6,000
PASTA ¥1,400
ORANGE CAKE ¥500
GLASS WINE ¥630
5-MINUTE WALK FROM SHIBUYA STATION
PIZZA SHOP XXY 03-1100-0000
SPAGHETTI SHOP
BUDGET ¥2,500
CARBONARI ¥780
MEDITERRANEAN SALAD ¥800
GLASS WINE ¥330
10-MINUTE DRIVE FROM SHIMOMARUKO STATION
SPAGHETTI SHOP XYZ
5606
5602
ABC CORPORATION
¥5000
¥4000
¥3000
¥2000
97
98
99
2000
2001
5603
ABC BANK
WE WILL MAKE PROPOSAL FOR YOUR DEPOSIT
PLEASE CALL US FOR INFORMATION
AT 0120-333-○ △ △ △
5604
PRESENT "HOW TO TRADE" BROCHURE
SECRET
DE FUND
0120-333-○□□

FIG. 57

P-CODE	KEYWORD	KEYWORD WEIGHT
6943−4840−3928	ITALIAN DISHES	10
	RANKING	8
4343−2325−1199	ABC CORP.	5
	STOCK PRICE	8
	FINANCE	7

5701

KEYWORD	KEYWORD WEIGHT
SHIBUYA	10
TOKYO	4

5702

KEYWORD LIST FOR SEARCH	PRIORITY
ARTICLE	10
PERSONAL	6
TERMINAL	5

5703

AD P-CODE	MATCH COUNT
4395−3230−2333	80
4545−6787−6666	60
9860−1114−0900	55
5406−4984−4444	20

5704

FIG. 58

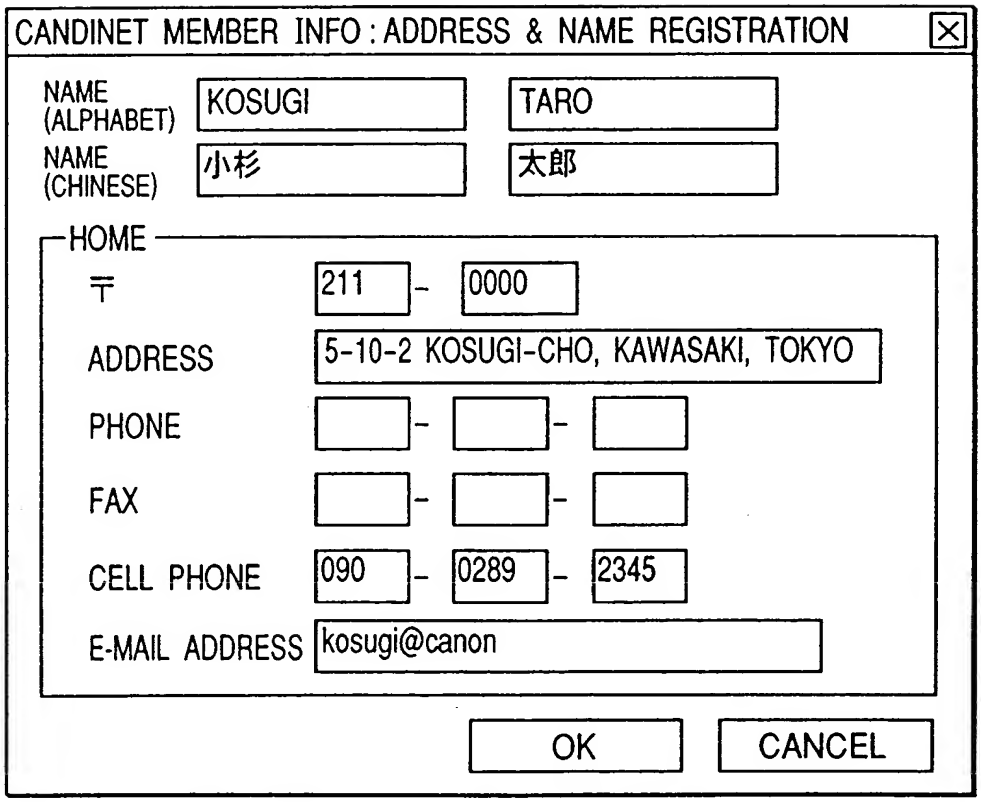

CANDINET MEMBER INFO : ADDRESS & NAME REGISTRATION
NAME (ALPHABET)
KOSUGI
TARO
NAME (CHINESE)
小杉
太郎
HOME
〒
211 - 0000
ADDRESS
5-10-2 KOSUGI-CHO, KAWASAKI, TOKYO
PHONE
FAX
CELL PHONE
090 - 0289 - 2345
E-MAIL ADDRESS
kosugi@canon
OK
CANCEL

FIG. 59

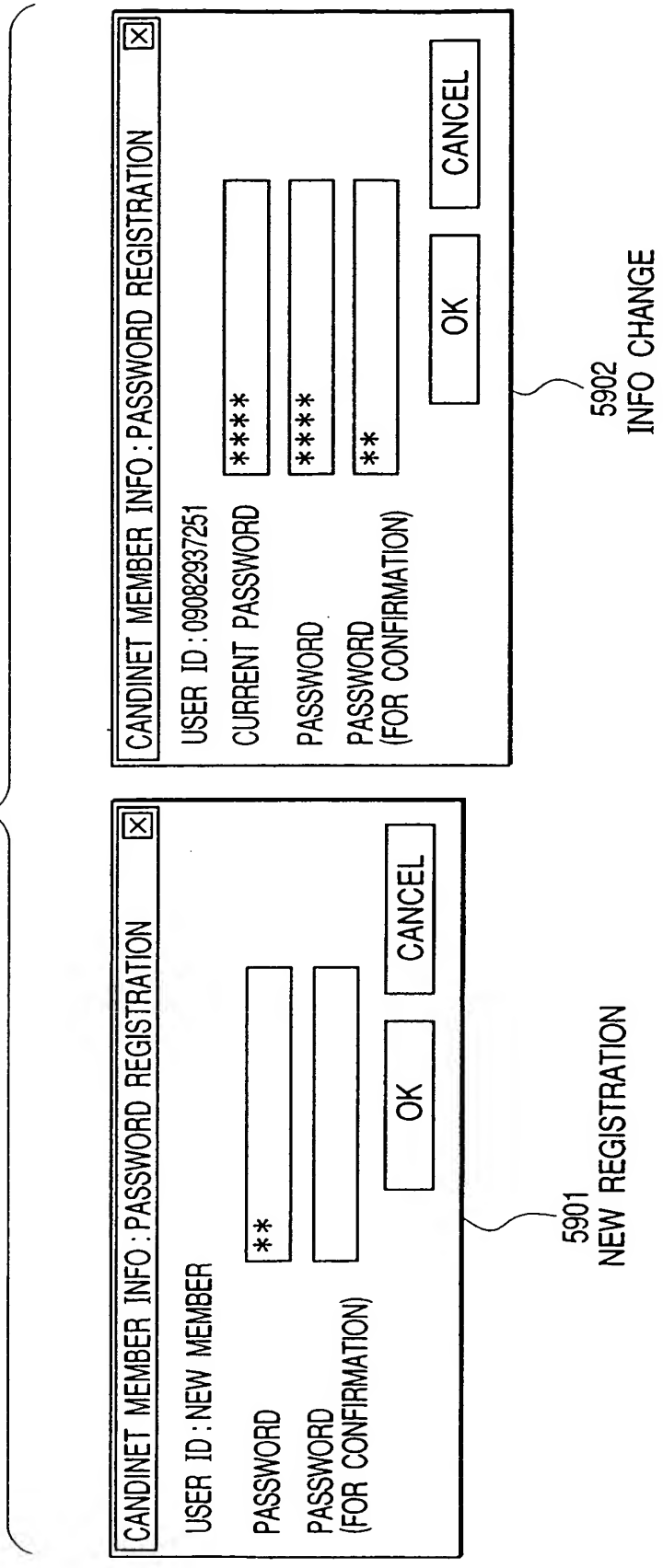

CANDINET MEMBER INFO : PASSWORD REGISTRATION
USER ID : NEW MEMBER
PASSWORD
PASSWORD
(FOR CONFIRMATION)
**
OK
CANCEL
5901
NEW REGISTRATION
CANDINET MEMBER INFO : PASSWORD REGISTRATION
USER ID : 09082937251
CURRENT PASSWORD
PASSWORD
PASSWORD
(FOR CONFIRMATION)
****
****
**
OK
CANCEL
5902
INFO CHANGE

FIG. 60

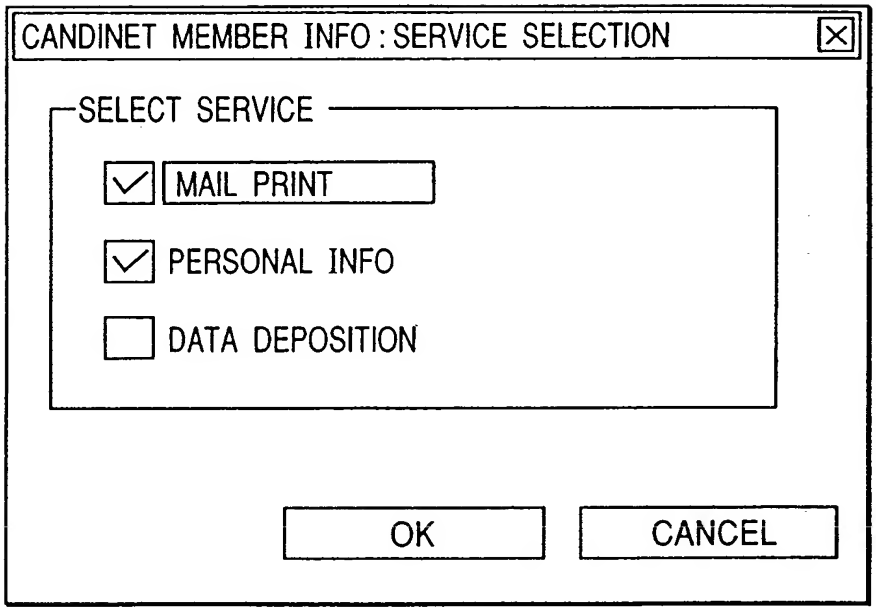
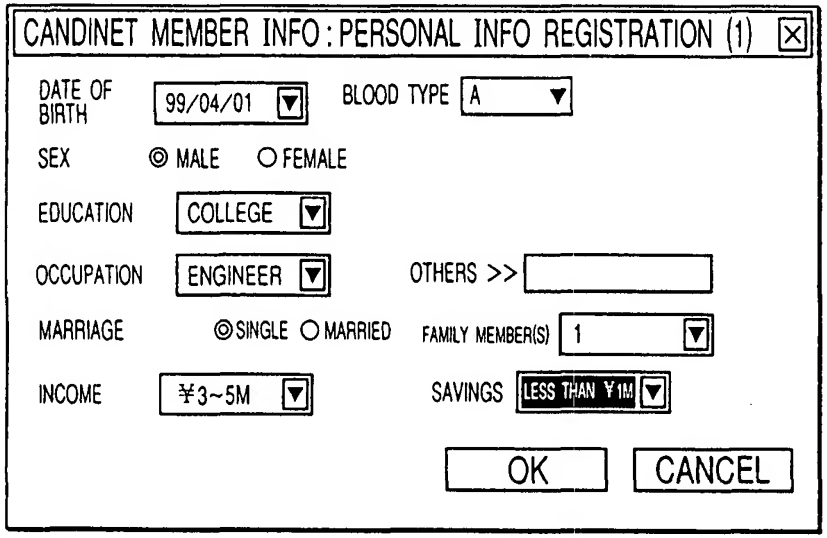

CANDINET MEMBER INFO : SERVICE SELECTION
SELECT SERVICE
MAIL PRINT
PERSONAL INFO
DATA DEPOSITION
OK
CANCEL

FIG. 61


CANDINET MEMBER INFO : PERSONAL INFO REGISTRATION (1)
DATE OF BIRTH
99/04/01
BLOOD TYPE
A
SEX
MALE
FEMALE
EDUCATION
COLLEGE
OCCUPATION
ENGINEER
OTHERS >>
MARRIAGE
SINGLE
MARRIED
FAMILY MEMBER(S)
1
INCOME
¥3~5M
SAVINGS
LESS THAN ¥1M
OK
CANCEL

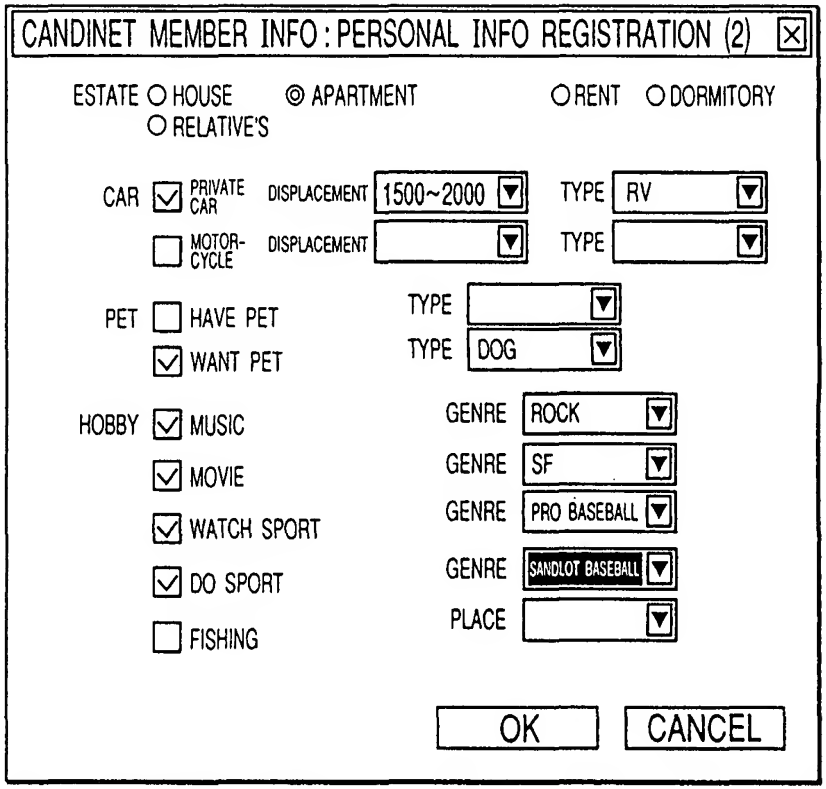

CANDINET MEMBER INFO : PERSONAL INFO REGISTRATION (2)
ESTATE
HOUSE
APARTMENT
RENT
DORMITORY
RELATIVE'S
CAR
PRIVATE CAR
DISPLACEMENT
1500~2000
TYPE
RV
MOTOR-CYCLE
DISPLACEMENT
TYPE
PET
HAVE PET
WANT PET
TYPE
TYPE
DOG
HOBBY
MUSIC
MOVIE
WATCH SPORT
DO SPORT
FISHING
GENRE
ROCK
GENRE
SF
GENRE
PRO BASEBALL
GENRE
SANDLOT BASEBALL
PLACE
OK
CANCEL

FIG. 62

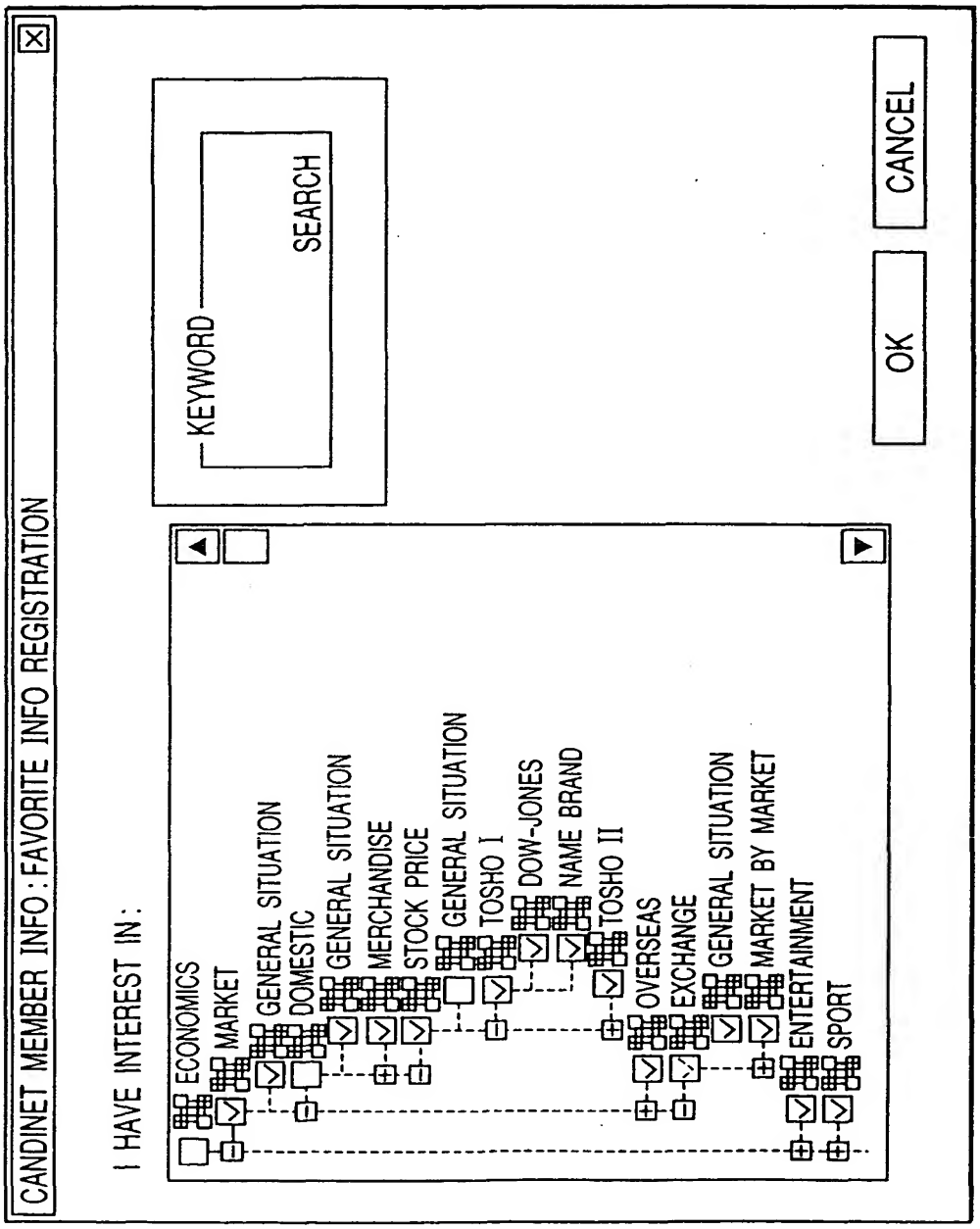

CANDINET MEMBER INFO:FAVORITE INFO REGISTRATION
I HAVE INTEREST IN:
ECONOMICS
MARKET
GENERAL SITUATION
DOMESTIC
GENERAL SITUATION
MERCHANDISE
STOCK PRICE
GENERAL SITUATION
TOSHO I
DOW-JONES
NAME BRAND
TOSHO II
OVERSEAS
EXCHANGE
GENERAL SITUATION
MARKET BY MARKET
ENTERTAINMENT
SPORT
KEYWORD
SEARCH
OK
CANCEL

FIG. 63

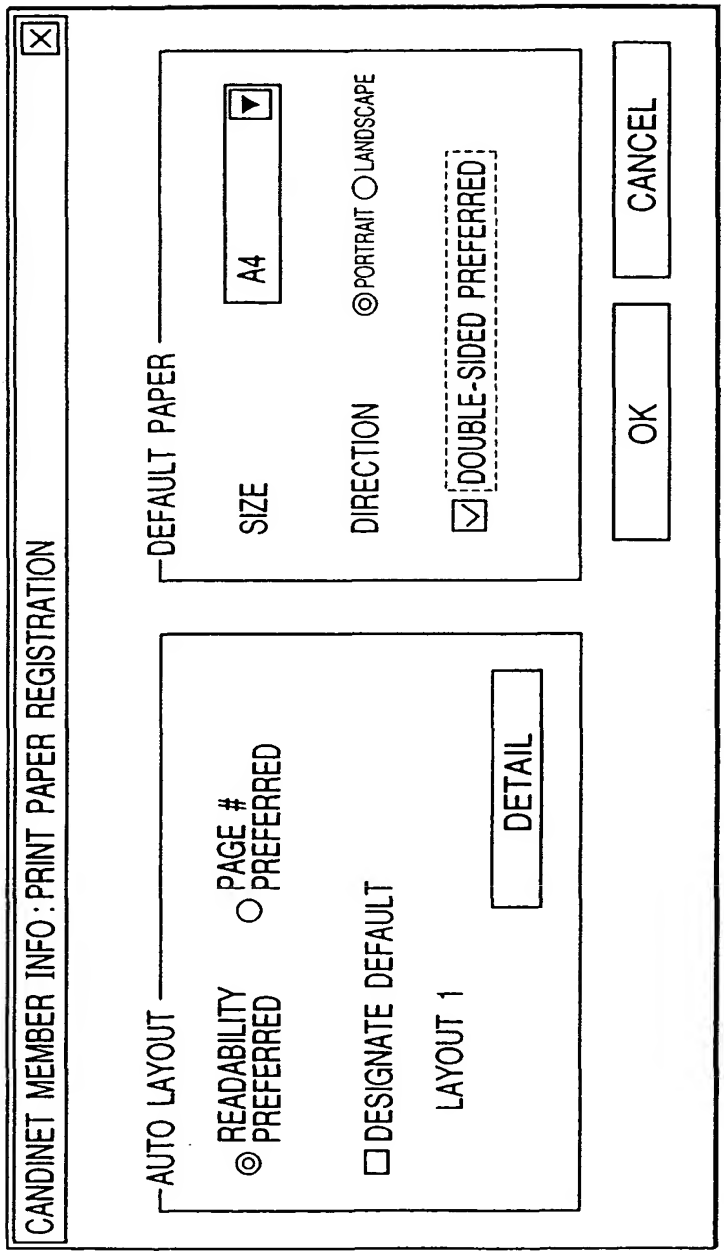

CANDINET MEMBER INFO:PRINT PAPER REGISTRATION
AUTO LAYOUT
READABILITY PREFERRED
PAGE # PREFERRED
DESIGNATE DEFAULT
LAYOUT 1
DETAIL
DEFAULT PAPER
SIZE
A4
DIRECTION
PORTRAIT
LANDSCAPE
DOUBLE-SIDED PREFERRED
OK
CANCEL

FIG. 64

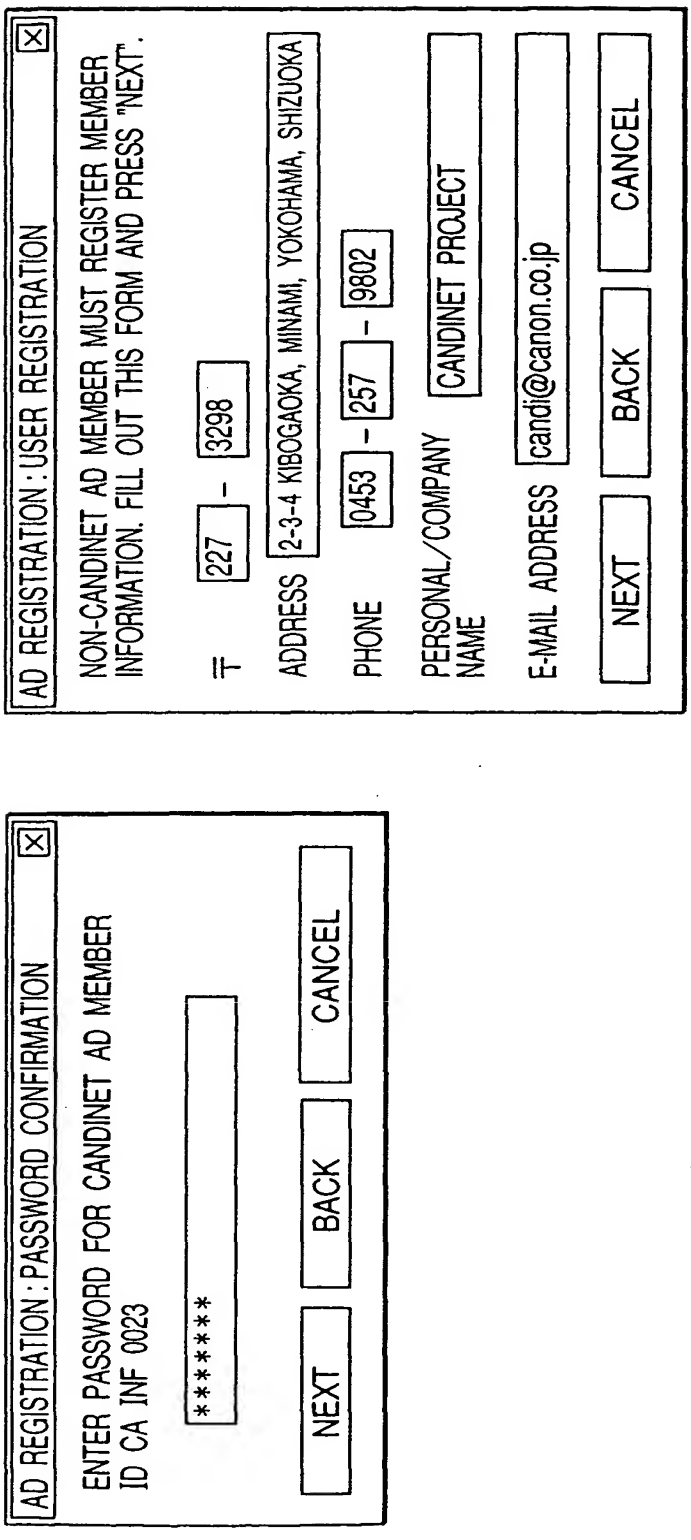
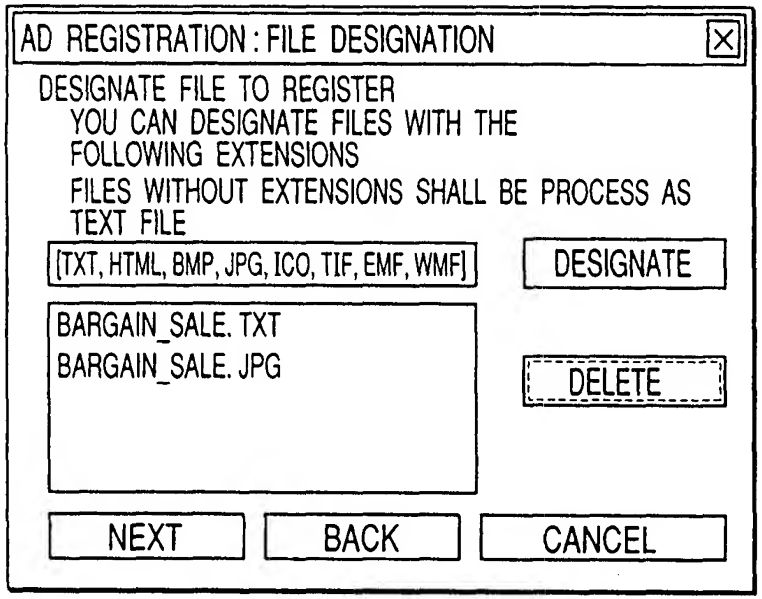

AD REGISTRATION : PASSWORD CONFIRMATION
ENTER PASSWORD FOR CANDINET AD MEMBER
ID CA INF 0023
****
NEXT
BACK
CANCEL
AD REGISTRATION : USER REGISTRATION
NON-CANDINET AD MEMBER MUST REGISTER MEMBER INFORMATION. FILL OUT THIS FORM AND PRESS "NEXT".
〒 227 - 3298
ADDRESS 2-3-4 KIBOGAOKA, MINAMI, YOKOHAMA, SHIZUOKA
PHONE 0453 - 257 - 9802
PERSONAL/COMPANY NAME CANDINET PROJECT
E-MAIL ADDRESS candi@canon.co.jp
NEXT
BACK
CANCEL

FIG. 65


AD REGISTRATION : FILE DESIGNATION
DESIGNATE FILE TO REGISTER
YOU CAN DESIGNATE FILES WITH THE FOLLOWING EXTENSIONS
FILES WITHOUT EXTENSIONS SHALL BE PROCESS AS TEXT FILE
[TXT, HTML, BMP, JPG, ICO, TIF, EMF, WMF]
DESIGNATE
BARGAIN_SALE. TXT
BARGAIN_SALE. JPG
DELETE
NEXT
BACK
CANCEL

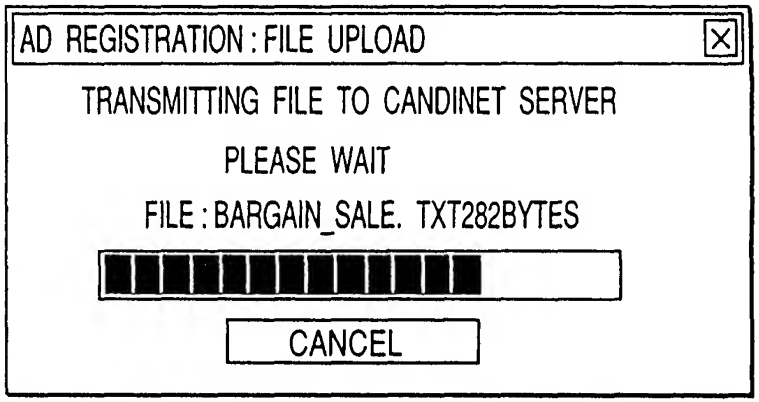

AD REGISTRATION : FILE UPLOAD
TRANSMITTING FILE TO CANDINET SERVER
PLEASE WAIT
FILE : BARGAIN_SALE. TXT282BYTES
CANCEL

FIG. 66

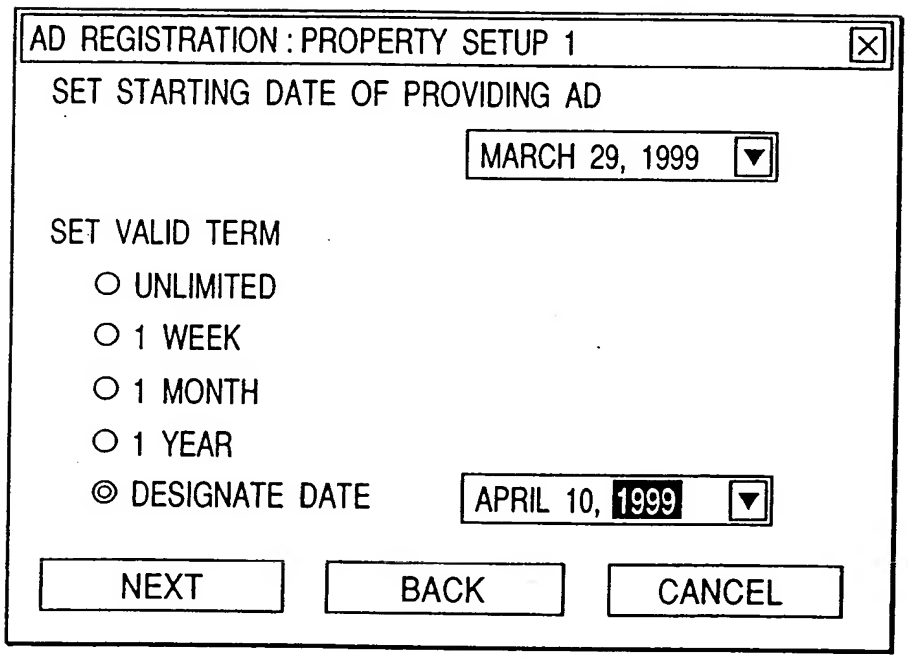

AD REGISTRATION : PROPERTY SETUP 1
SET STARTING DATE OF PROVIDING AD
MARCH 29, 1999
SET VALID TERM
UNLIMITED
1 WEEK
1 MONTH
1 YEAR
DESIGNATE DATE
APRIL 10, 1999
NEXT
BACK
CANCEL

FIG. 67

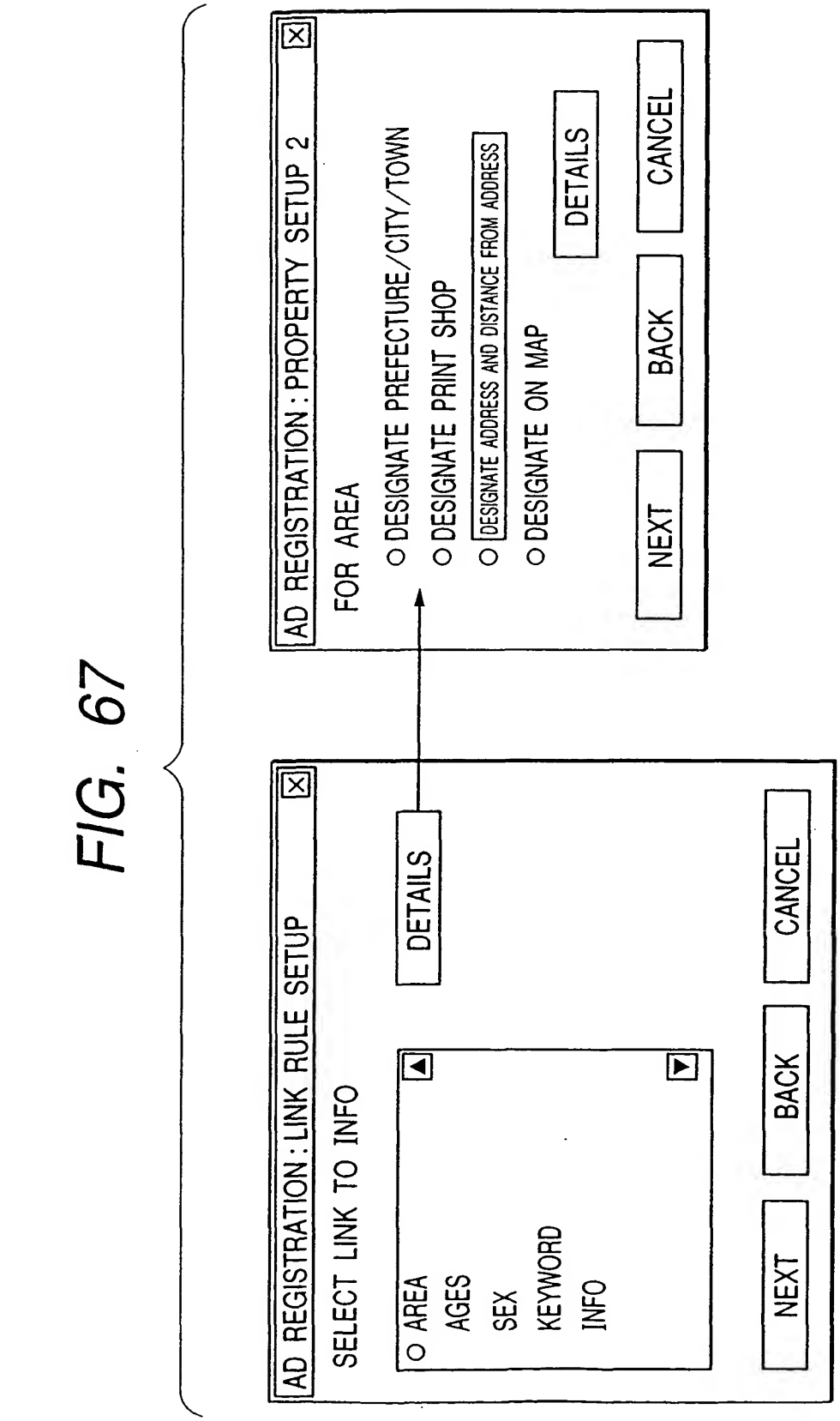

AD REGISTRATION : LINK RULE SETUP
SELECT LINK TO INFO
AREA
AGES
SEX
KEYWORD
INFO
DETAILS
NEXT
BACK
CANCEL
AD REGISTRATION : PROPERTY SETUP 2
FOR AREA
DESIGNATE PREFECTURE/CITY/TOWN
DESIGNATE PRINT SHOP
DESIGNATE ADDRESS AND DISTANCE FROM ADDRESS
DESIGNATE ON MAP
DETAILS
NEXT
BACK
CANCEL

FIG. 68

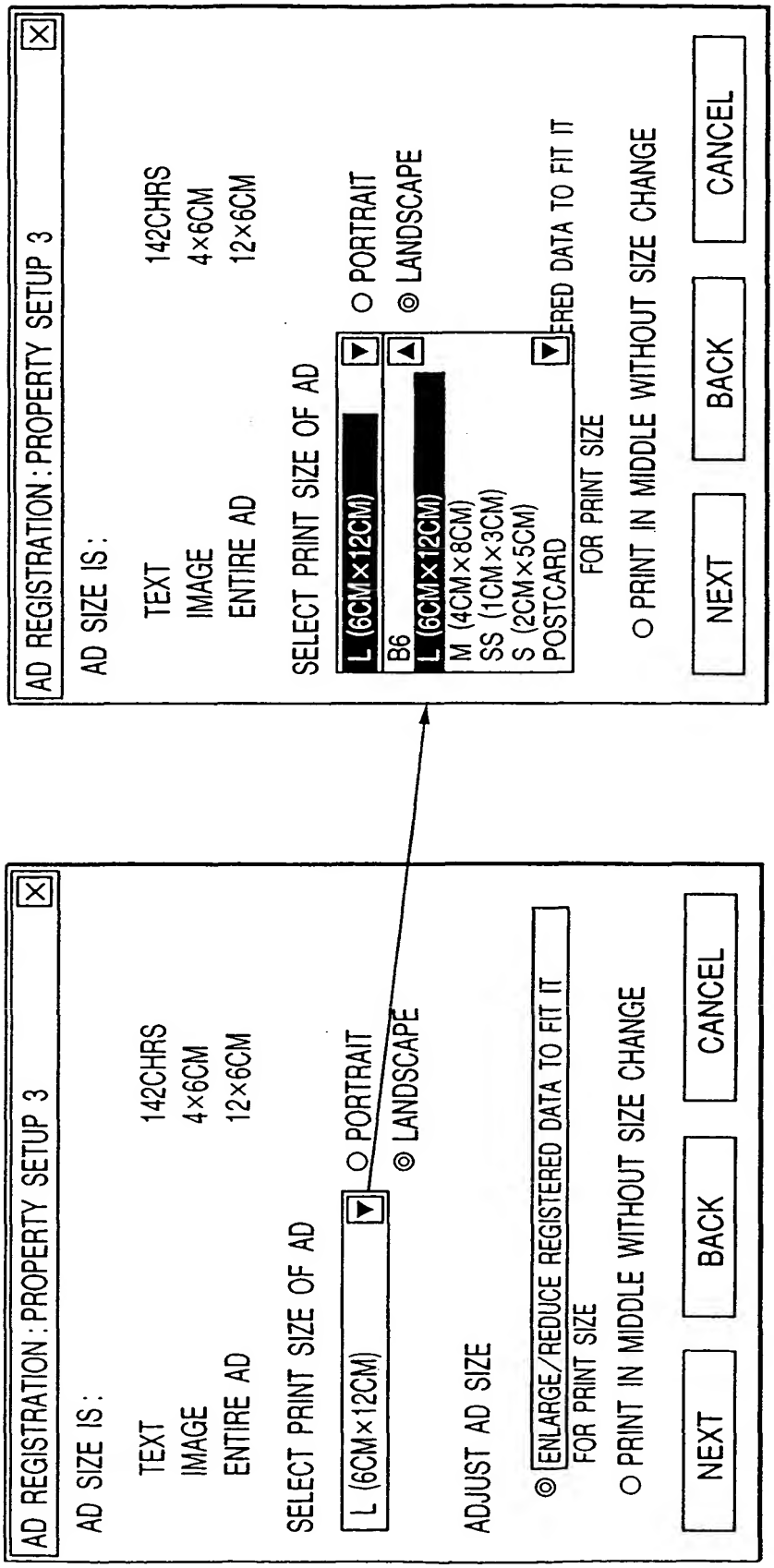

AD REGISTRATION : PROPERTY SETUP 3
AD SIZE IS :
TEXT 142CHRS
IMAGE 4×6CM
ENTIRE AD 12×6CM
SELECT PRINT SIZE OF AD
L (6CM×12CM)
O PORTRAIT
◎ LANDSCAPE
ADJUST AD SIZE
◎ ENLARGE/REDUCE REGISTERED DATA TO FIT IT FOR PRINT SIZE
O PRINT IN MIDDLE WITHOUT SIZE CHANGE
NEXT
BACK
CANCEL
AD REGISTRATION : PROPERTY SETUP 3
AD SIZE IS :
TEXT 142CHRS
IMAGE 4×6CM
ENTIRE AD 12×6CM
SELECT PRINT SIZE OF AD
L (6CM×12CM)
B6
L (6CM×12CM)
M (4CM×8CM)
SS (1CM×3CM)
S (2CM×5CM)
POSTCARD
O PORTRAIT
◎ LANDSCAPE
ERED DATA TO FIT IT FOR PRINT SIZE
O PRINT IN MIDDLE WITHOUT SIZE CHANGE
NEXT
BACK
CANCEL

FIG. 69

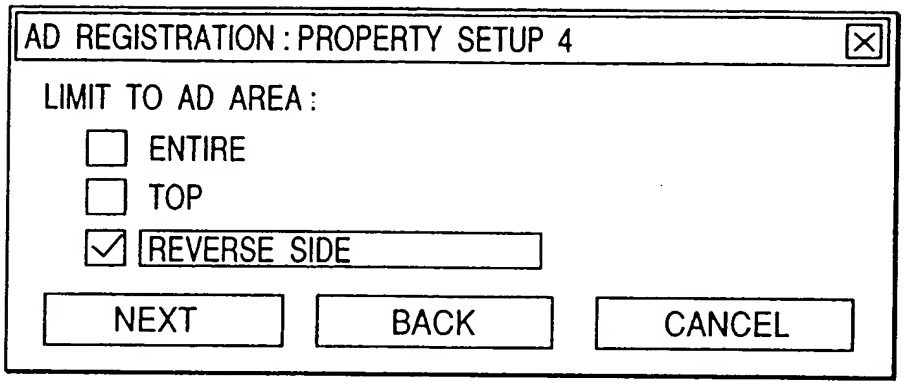

AD REGISTRATION : PROPERTY SETUP 4
LIMIT TO AD AREA :
ENTIRE
TOP
REVERSE SIDE
NEXT
BACK
CANCEL

FIG. 70

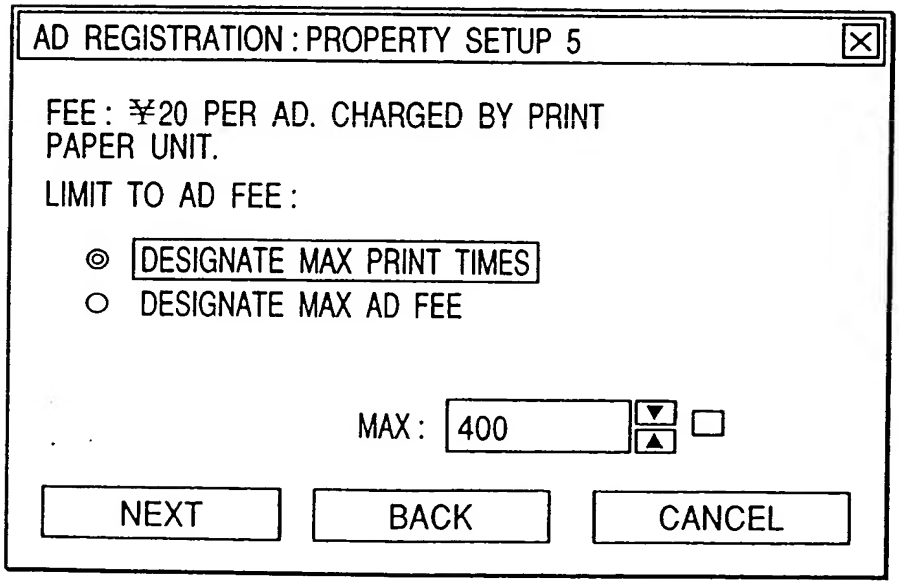

AD REGISTRATION : PROPERTY SETUP 5
FEE : ¥20 PER AD. CHARGED BY PRINT PAPER UNIT.
LIMIT TO AD FEE :
DESIGNATE MAX PRINT TIMES
DESIGNATE MAX AD FEE
MAX : 400
NEXT
BACK
CANCEL

FIG. 71

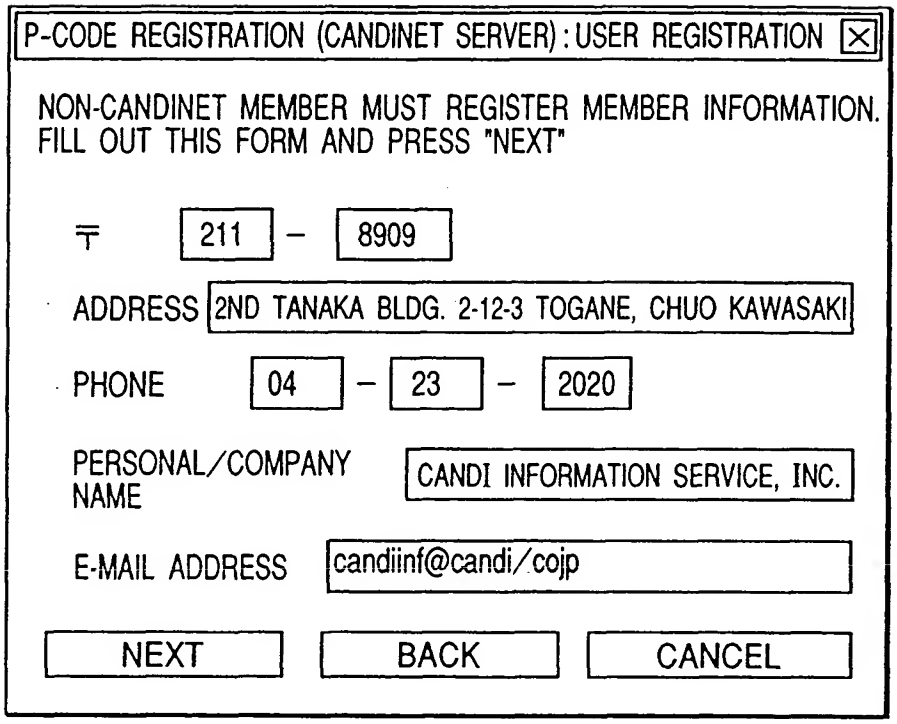

P-CODE REGISTRATION (CANDINET SERVER) : USER REGISTRATION
NON-CANDINET MEMBER MUST REGISTER MEMBER INFORMATION.
FILL OUT THIS FORM AND PRESS "NEXT"
〒
211
–
8909
ADDRESS
2ND TANAKA BLDG. 2-12-3 TOGANE, CHUO KAWASAKI
PHONE
04
–
23
–
2020
PERSONAL/COMPANY NAME
CANDI INFORMATION SERVICE, INC.
E-MAIL ADDRESS
candiinf@candi/cojp
NEXT
BACK
CANCEL

FIG. 72

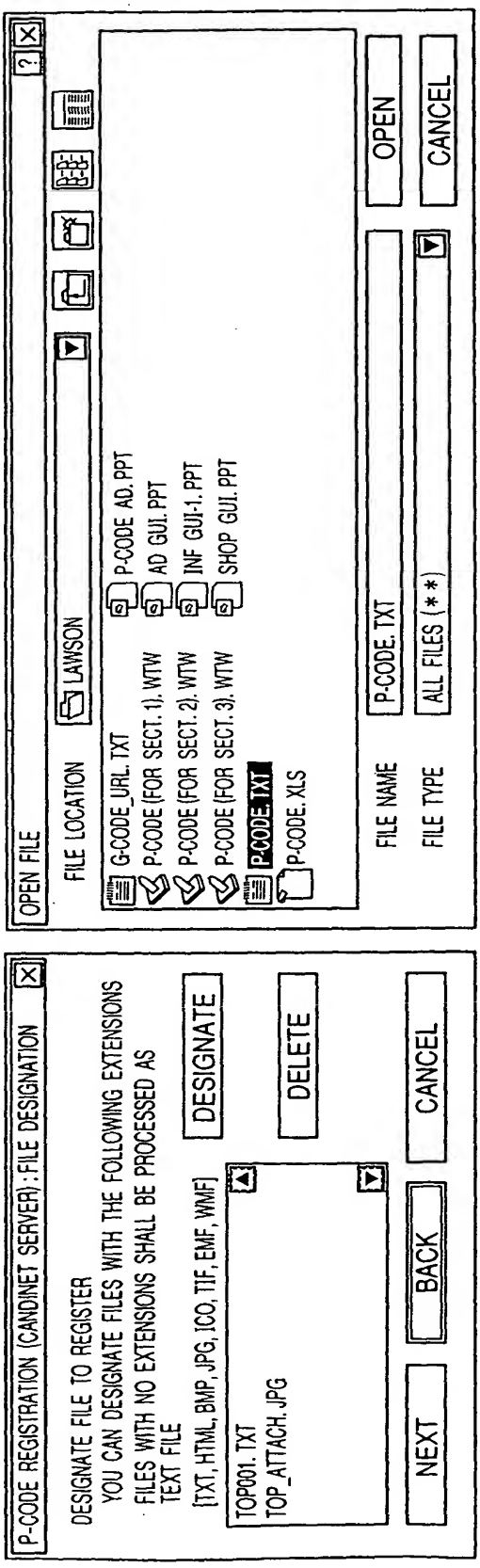

P-CODE REGISTRATION (CANDINET SERVER) : FILE DESIGNATION
DESIGNATE FILE TO REGISTER
YOU CAN DESIGNATE FILES WITH THE FOLLOWING EXTENSIONS
FILES WITH NO EXTENSIONS SHALL BE PROCESSED AS TEXT FILE
[TXT, HTML, BMP, JPG, ICO, TIF, EMF, WMF]
DESIGNATE
TOP001. TXT
TOP_ATTACH. JPG
DELETE
NEXT
BACK
CANCEL
OPEN FILE
FILE LOCATION
LAWSON
G-CODE_URL. TXT
P-CODE (FOR SECT. 1). WTW
P-CODE (FOR SECT. 2). WTW
P-CODE (FOR SECT. 3). WTW
P-CODE. TXT
P-CODE. XLS
P-CODE AD. PPT
AD GUI. PPT
INF GUI-1. PPT
SHOP GUI. PPT
FILE NAME
P-CODE. TXT
FILE TYPE
ALL FILES (**)
OPEN
CANCEL

FIG. 73

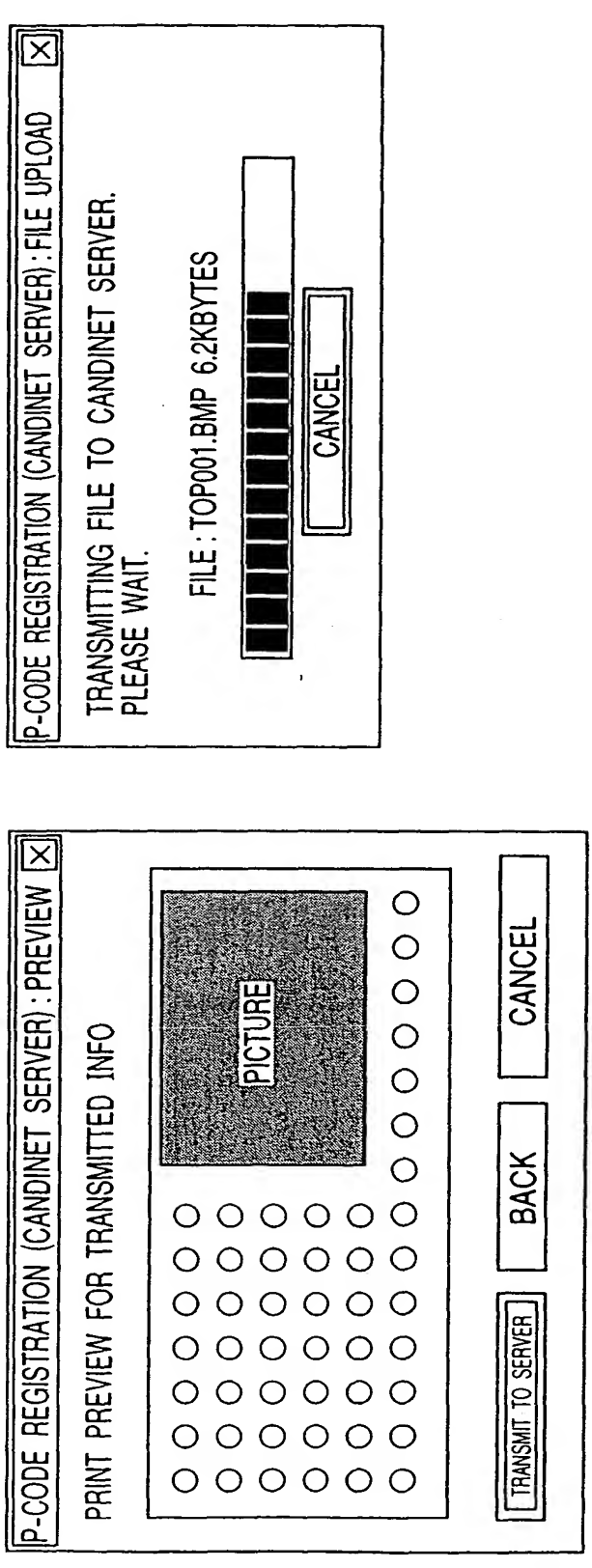

P-CODE REGISTRATION (CANDINET SERVER) : PREVIEW
PRINT PREVIEW FOR TRANSMITTED INFO
PICTURE
TRANSMIT TO SERVER
BACK
CANCEL
P-CODE REGISTRATION (CANDINET SERVER) : FILE UPLOAD
TRANSMITTING FILE TO CANDINET SERVER.
PLEASE WAIT.
FILE : TOP001.BMP 6.2KBYTES
CANCEL

FIG. 74

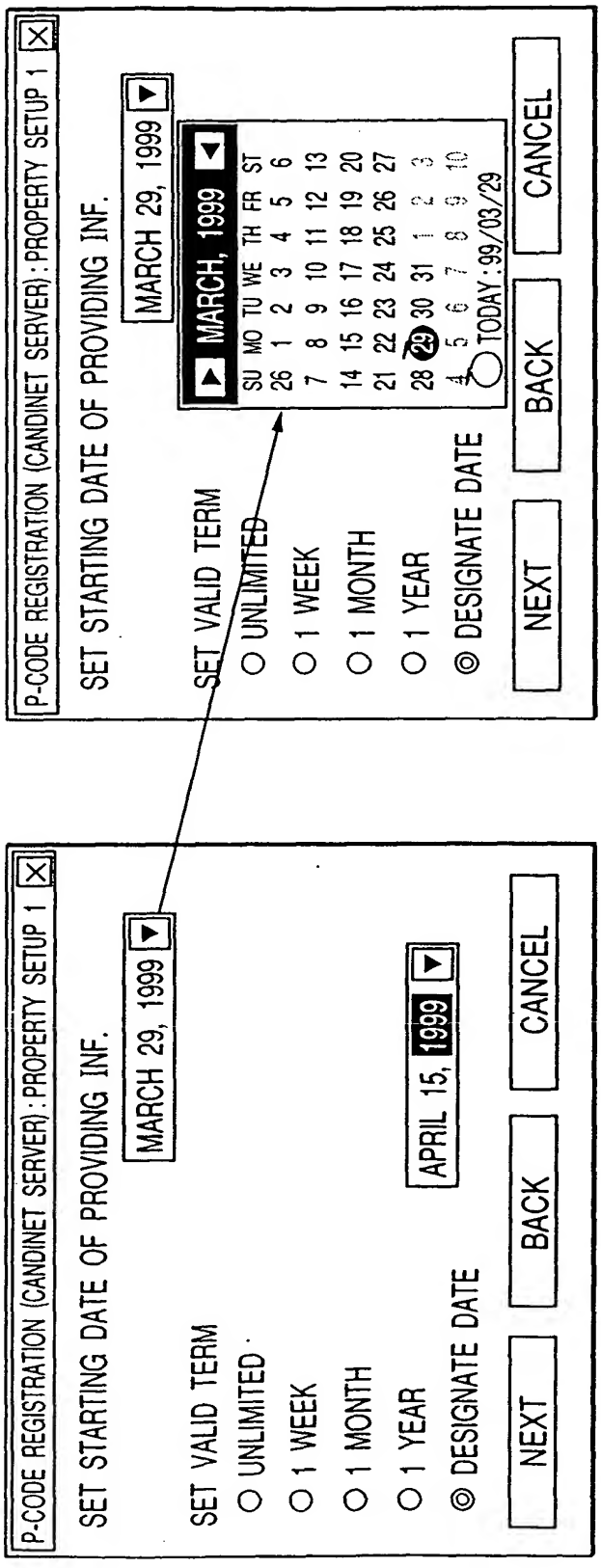

P-CODE REGISTRATION (CANDINET SERVER) : PROPERTY SETUP 1
SET STARTING DATE OF PROVIDING INF.
MARCH 29, 1999
SET VALID TERM
UNLIMITED
1 WEEK
1 MONTH
1 YEAR
DESIGNATE DATE
APRIL 15, 1999
NEXT
BACK
CANCEL
MARCH, 1999
SU MO TU WE TH FR ST
TODAY : 99/03/29

FIG. 75

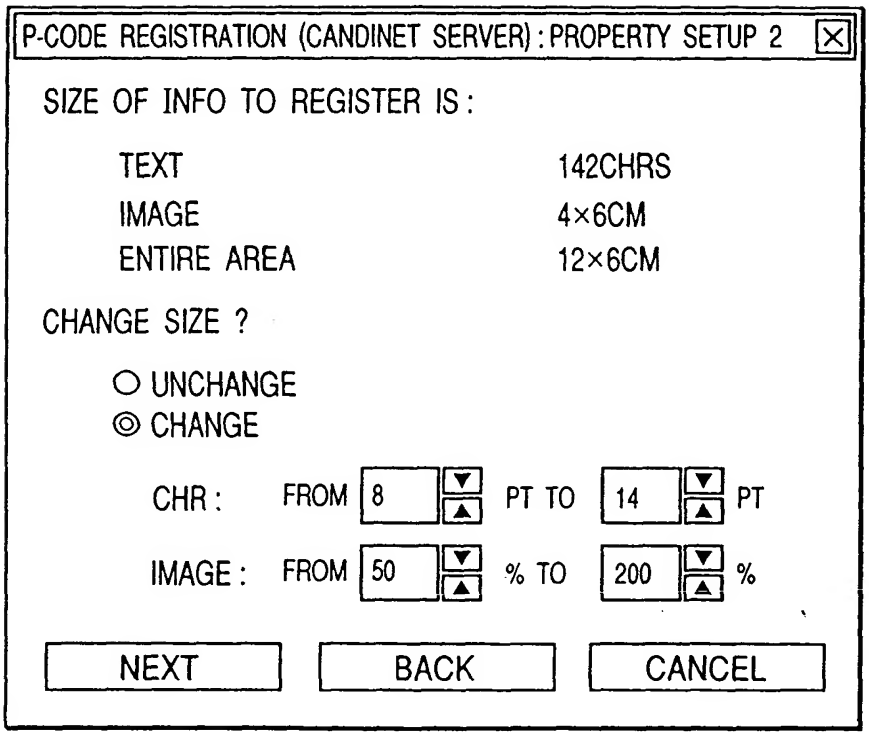
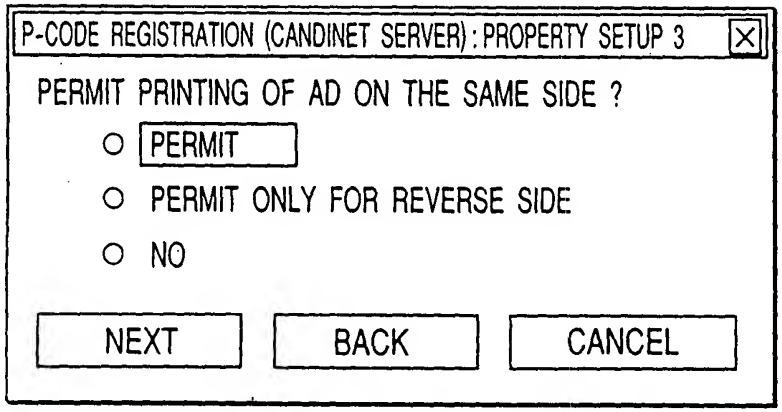

P-CODE REGISTRATION (CANDINET SERVER) : PROPERTY SETUP 2
SIZE OF INFO TO REGISTER IS :
TEXT
142CHRS
IMAGE
4×6CM
ENTIRE AREA
12×6CM
CHANGE SIZE ?
UNCHANGE
CHANGE
CHR : FROM 8 PT TO 14 PT
IMAGE : FROM 50 % TO 200 %
NEXT
BACK
CANCEL

FIG. 76


P-CODE REGISTRATION (CANDINET SERVER) : PROPERTY SETUP 3
PERMIT PRINTING OF AD ON THE SAME SIDE ?
PERMIT
PERMIT ONLY FOR REVERSE SIDE
NO
NEXT
BACK
CANCEL

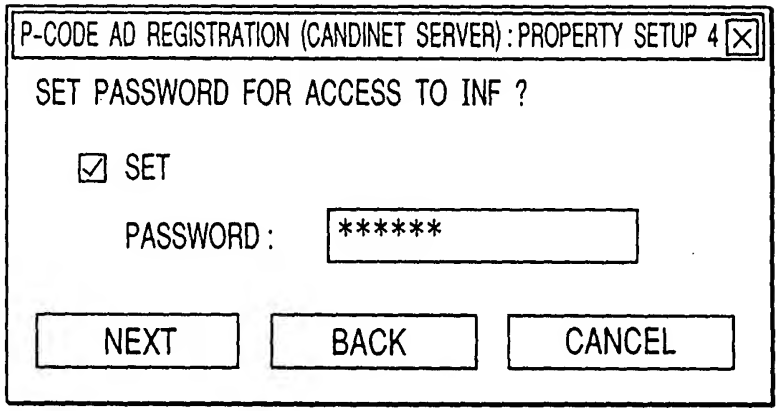

P-CODE AD REGISTRATION (CANDINET SERVER) : PROPERTY SETUP 4
SET PASSWORD FOR ACCESS TO INF ?
SET
PASSWORD :
******
NEXT
BACK
CANCEL

FIG. 77

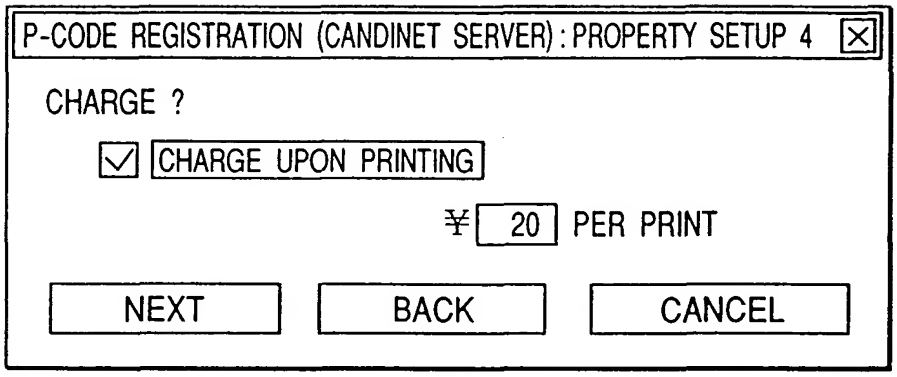

P-CODE REGISTRATION (CANDINET SERVER) : PROPERTY SETUP 4
CHARGE ?
CHARGE UPON PRINTING
¥ 20 PER PRINT
NEXT
BACK
CANCEL

FIG. 78

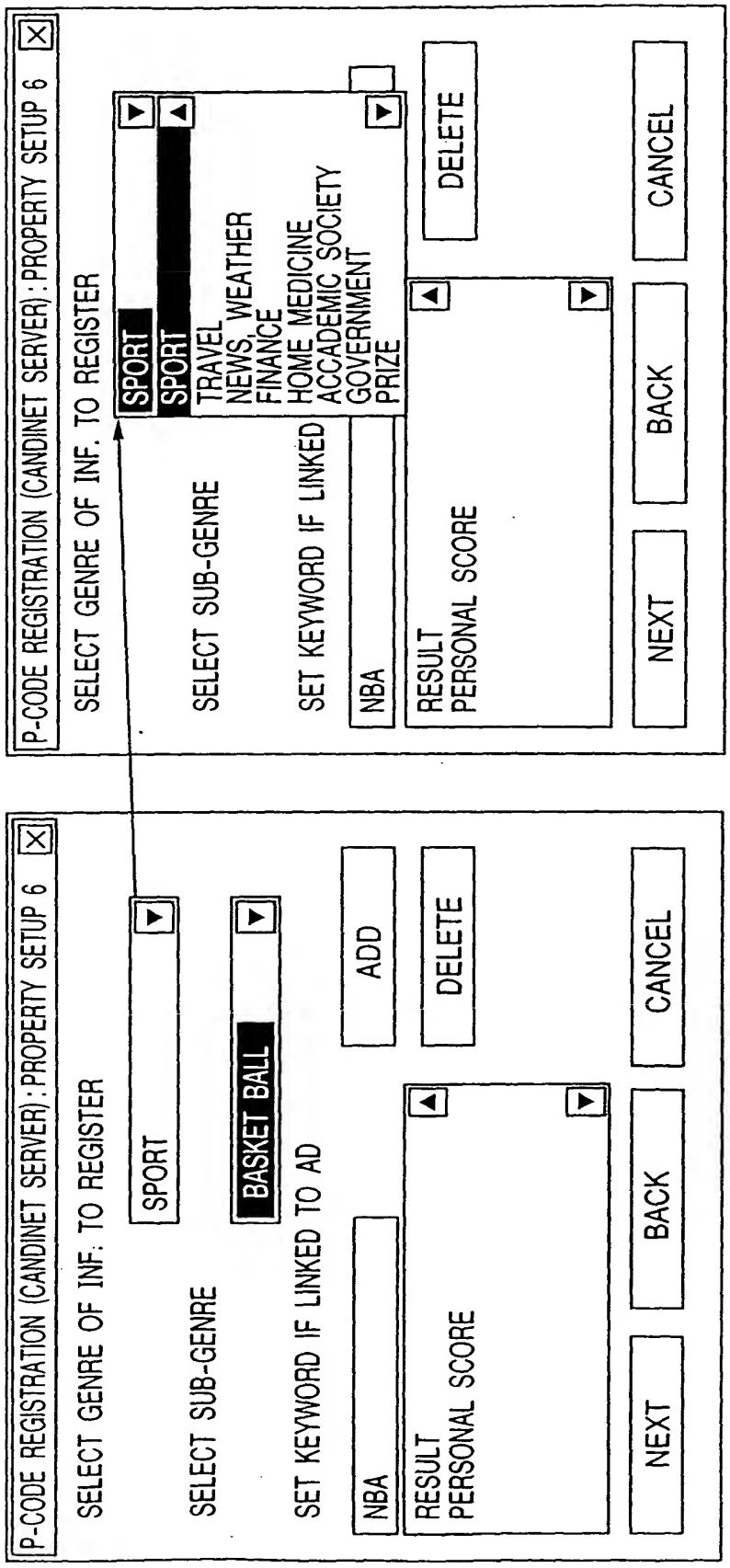

P-CODE REGISTRATION (CANDINET SERVER) : PROPERTY SETUP 6
SELECT GENRE OF INF. TO REGISTER
SPORT
SELECT SUB-GENRE
BASKET BALL
SET KEYWORD IF LINKED TO AD
NBA
ADD
DELETE
RESULT
PERSONAL SCORE
NEXT
BACK
CANCEL
P-CODE REGISTRATION (CANDINET SERVER) : PROPERTY SETUP 6
SELECT GENRE OF INF. TO REGISTER
SPORT
SPORT
TRAVEL
NEWS, WEATHER
FINANCE
HOME MEDICINE
ACCADEMIC SOCIETY
GOVERNMENT
PRIZE
SELECT SUB-GENRE
SET KEYWORD IF LINKED
NBA
RESULT
PERSONAL SCORE
DELETE
NEXT
BACK
CANCEL

FIG. 79

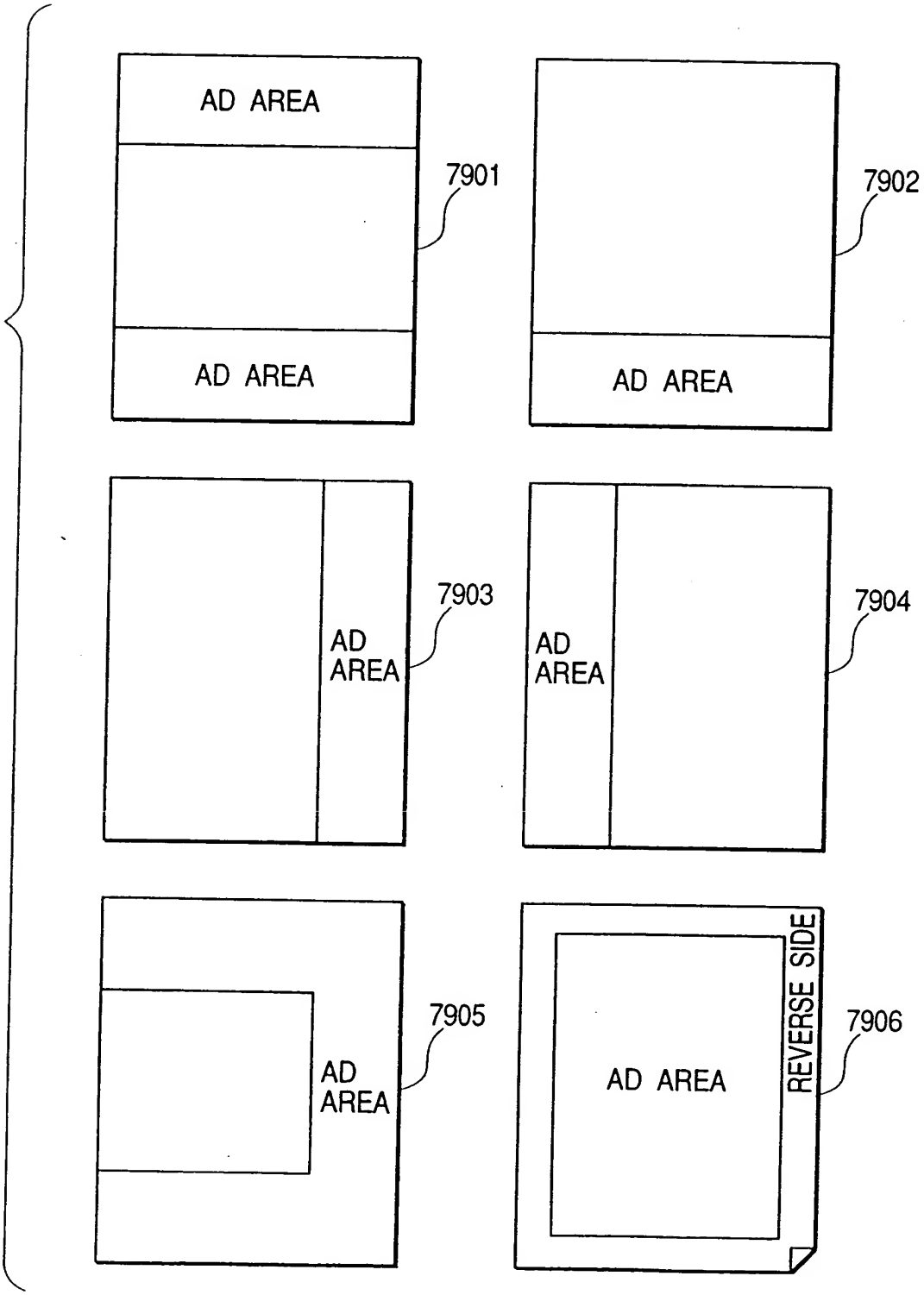

AD AREA
AD AREA
7901
7902
AD AREA
AD
AREA
7903
AD
AREA
7904
AD
AREA
7905
AD AREA
REVERSE SIDE
7906

FIG. 80

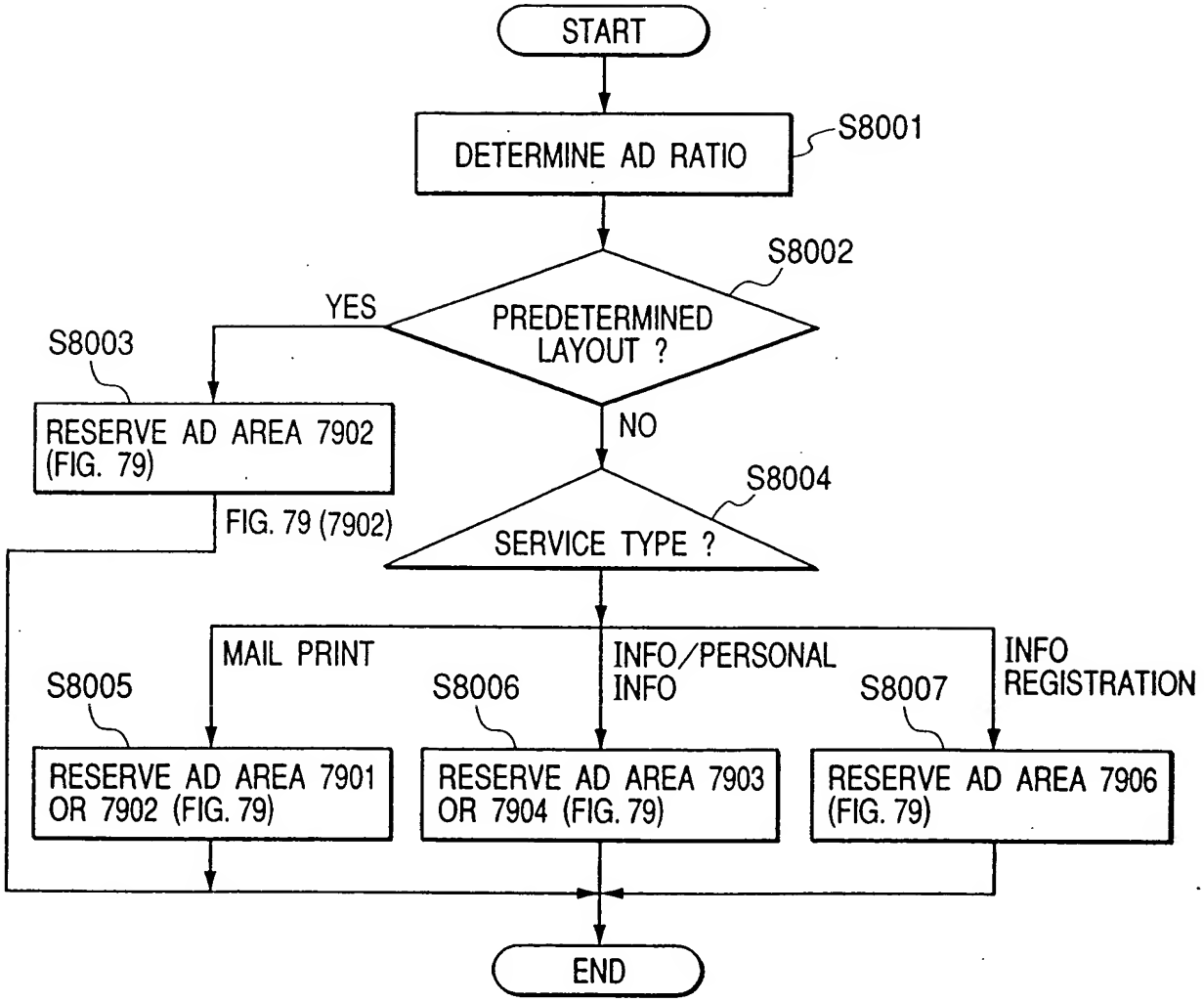

START
DETERMINE AD RATIO
S8001
S8002
PREDETERMINED LAYOUT ?
YES
NO
S8003
RESERVE AD AREA 7902 (FIG. 79)
FIG. 79 (7902)
S8004
SERVICE TYPE ?
MAIL PRINT
INFO/PERSONAL INFO
INFO REGISTRATION
S8005
S8006
S8007
RESERVE AD AREA 7901 OR 7902 (FIG. 79)
RESERVE AD AREA 7903 OR 7904 (FIG. 79)
RESERVE AD AREA 7906 (FIG. 79)
END

FIG. 81

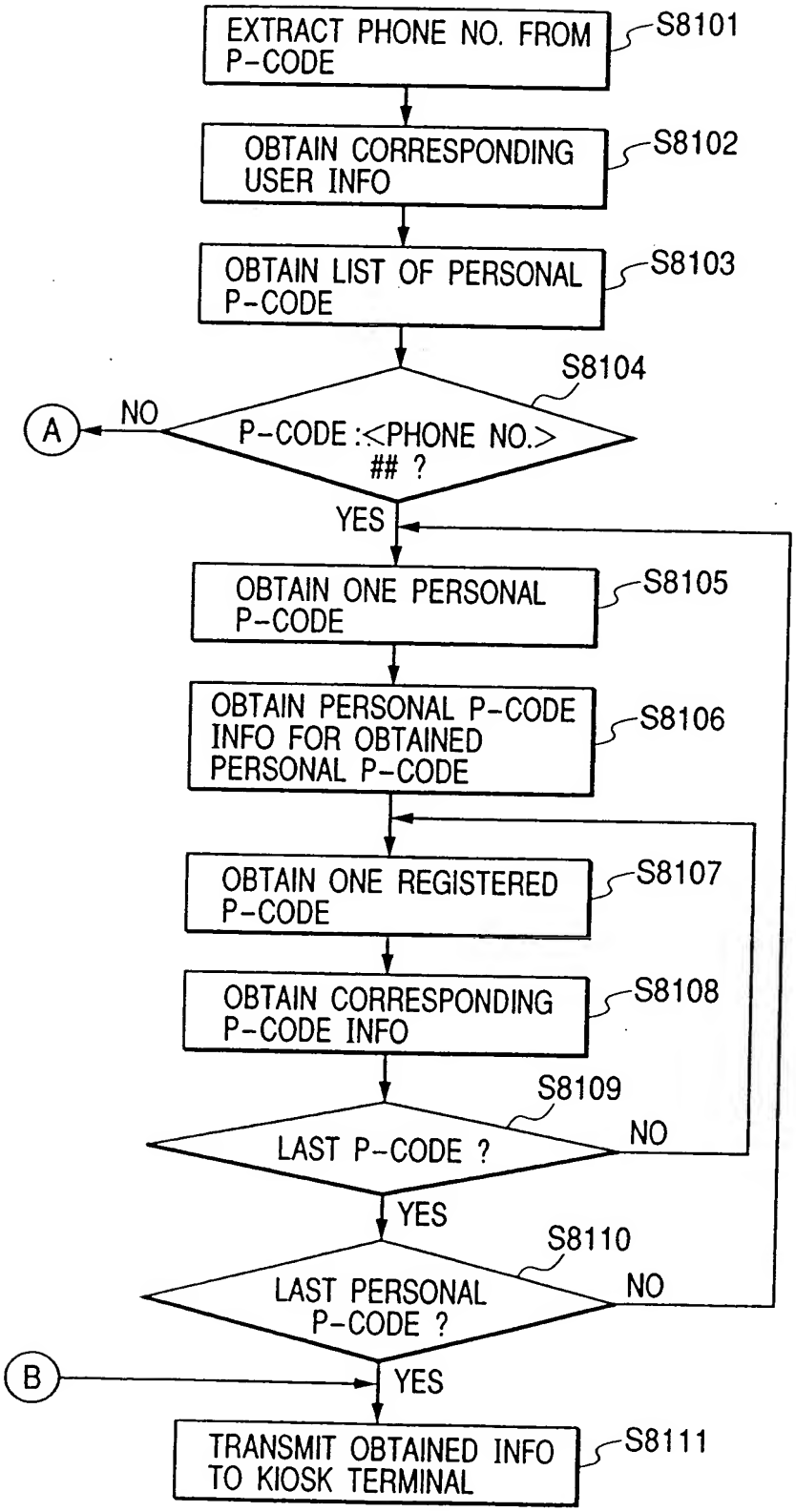

EXTRACT PHONE NO. FROM P-CODE
S8101
OBTAIN CORRESPONDING USER INFO
S8102
OBTAIN LIST OF PERSONAL P-CODE
S8103
S8104
P-CODE :<PHONE NO.> ## ?
NO
A
YES
OBTAIN ONE PERSONAL P-CODE
S8105
OBTAIN PERSONAL P-CODE INFO FOR OBTAINED PERSONAL P-CODE
S8106
OBTAIN ONE REGISTERED P-CODE
S8107
OBTAIN CORRESPONDING P-CODE INFO
S8108
S8109
LAST P-CODE ?
NO
YES
S8110
LAST PERSONAL P-CODE ?
NO
B
YES
TRANSMIT OBTAINED INFO TO KIOSK TERMINAL
S8111

FIG. 82

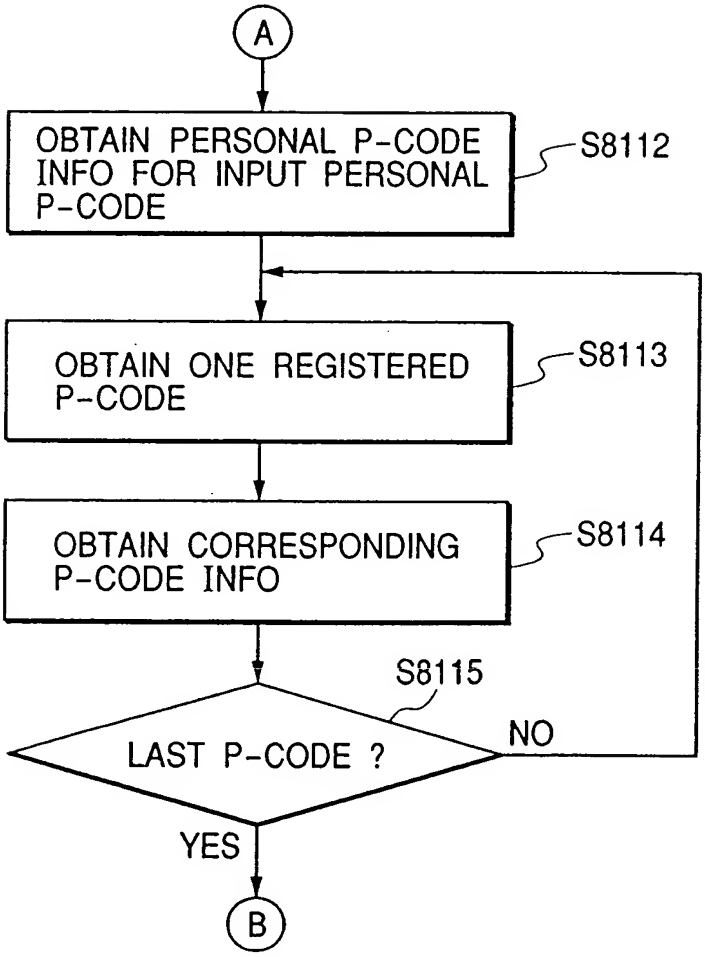

A
OBTAIN PERSONAL P-CODE INFO FOR INPUT PERSONAL P-CODE
S8112
OBTAIN ONE REGISTERED P-CODE
S8113
OBTAIN CORRESPONDING P-CODE INFO
S8114
S8115
LAST P-CODE ?
NO
YES
B

FIG. 83

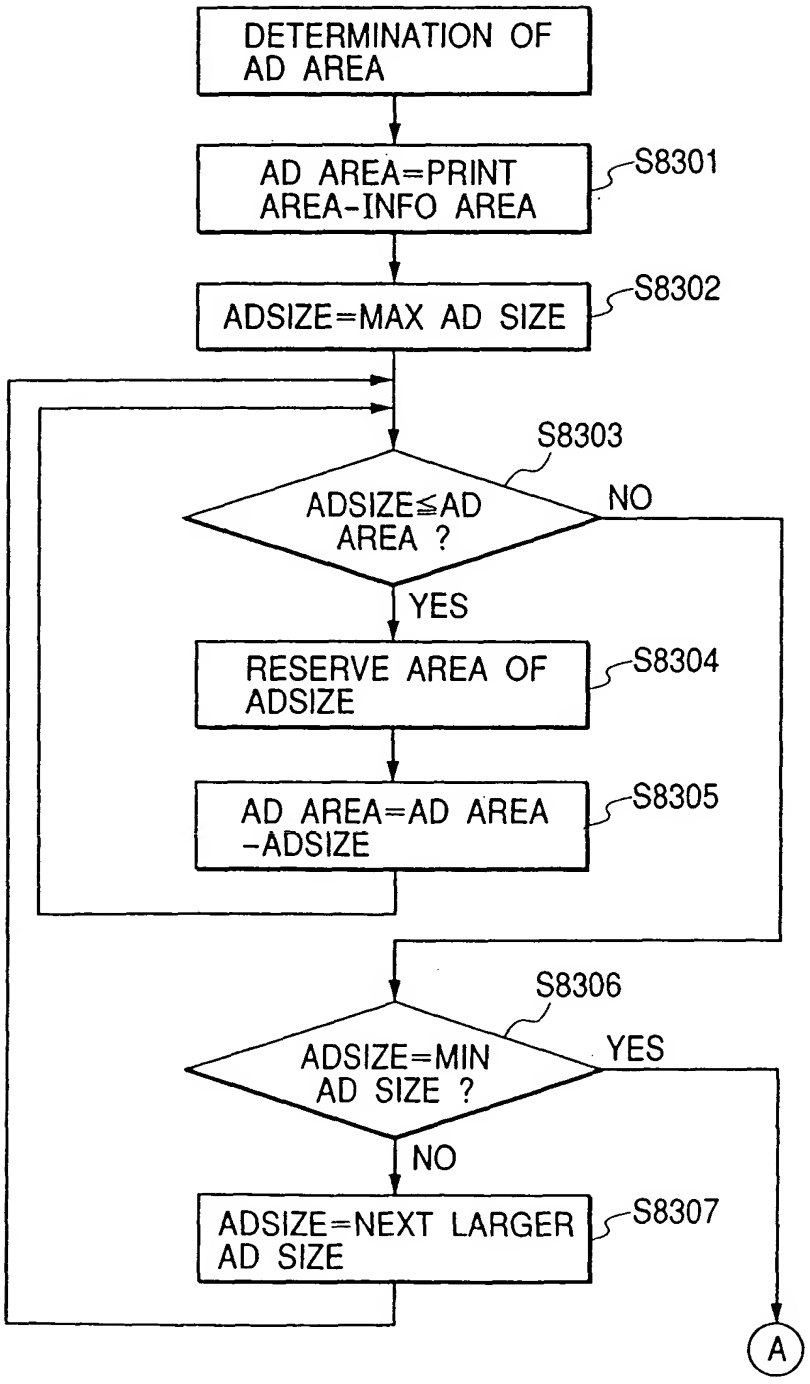

DETERMINATION OF AD AREA
AD AREA=PRINT AREA-INFO AREA
S8301
ADSIZE=MAX AD SIZE
S8302
S8303
ADSIZE≦AD AREA ?
NO
YES
RESERVE AREA OF ADSIZE
S8304
AD AREA=AD AREA -ADSIZE
S8305
S8306
ADSIZE=MIN AD SIZE ?
YES
NO
ADSIZE=NEXT LARGER AD SIZE
S8307
A

FIG. 84

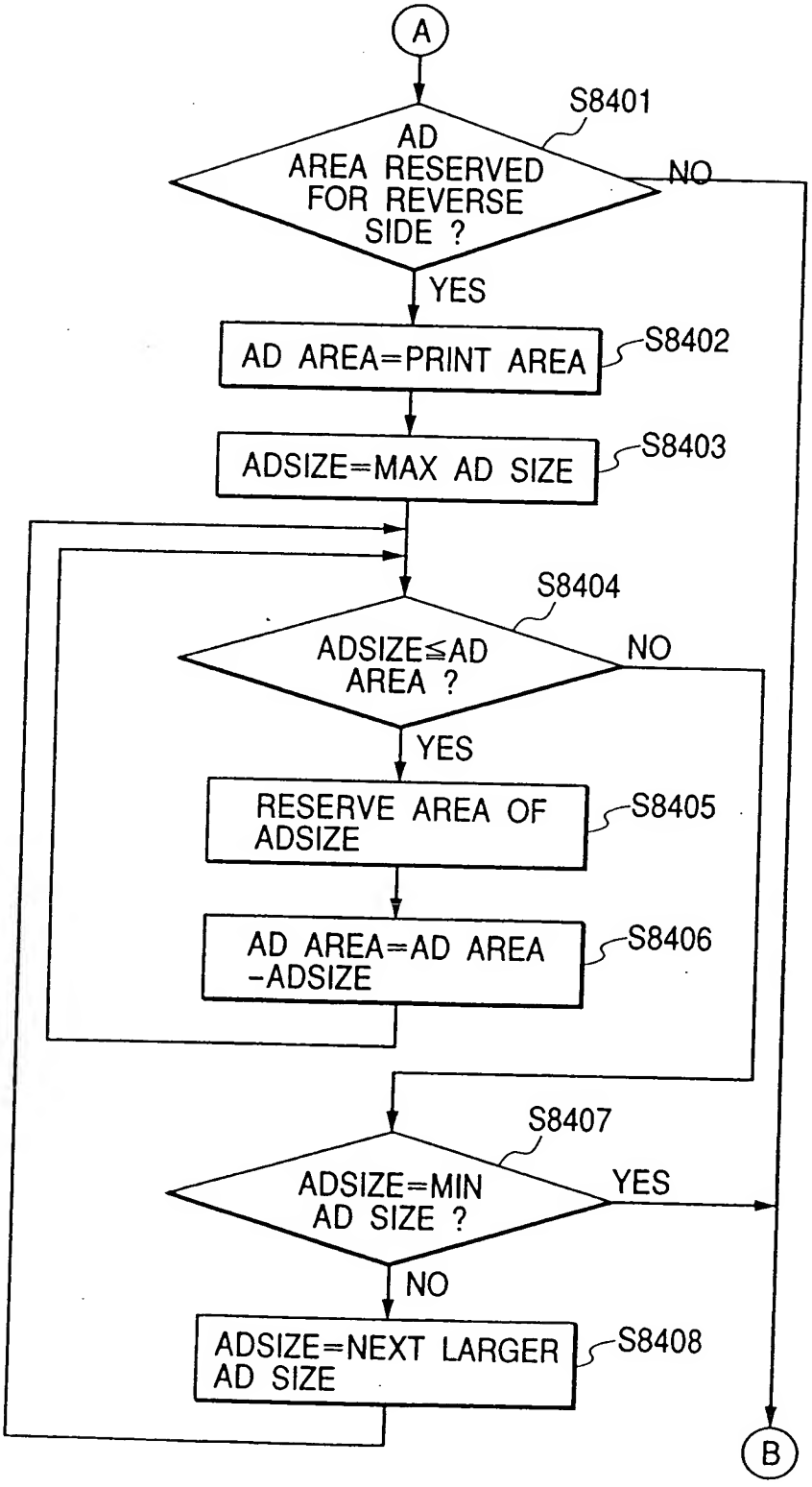
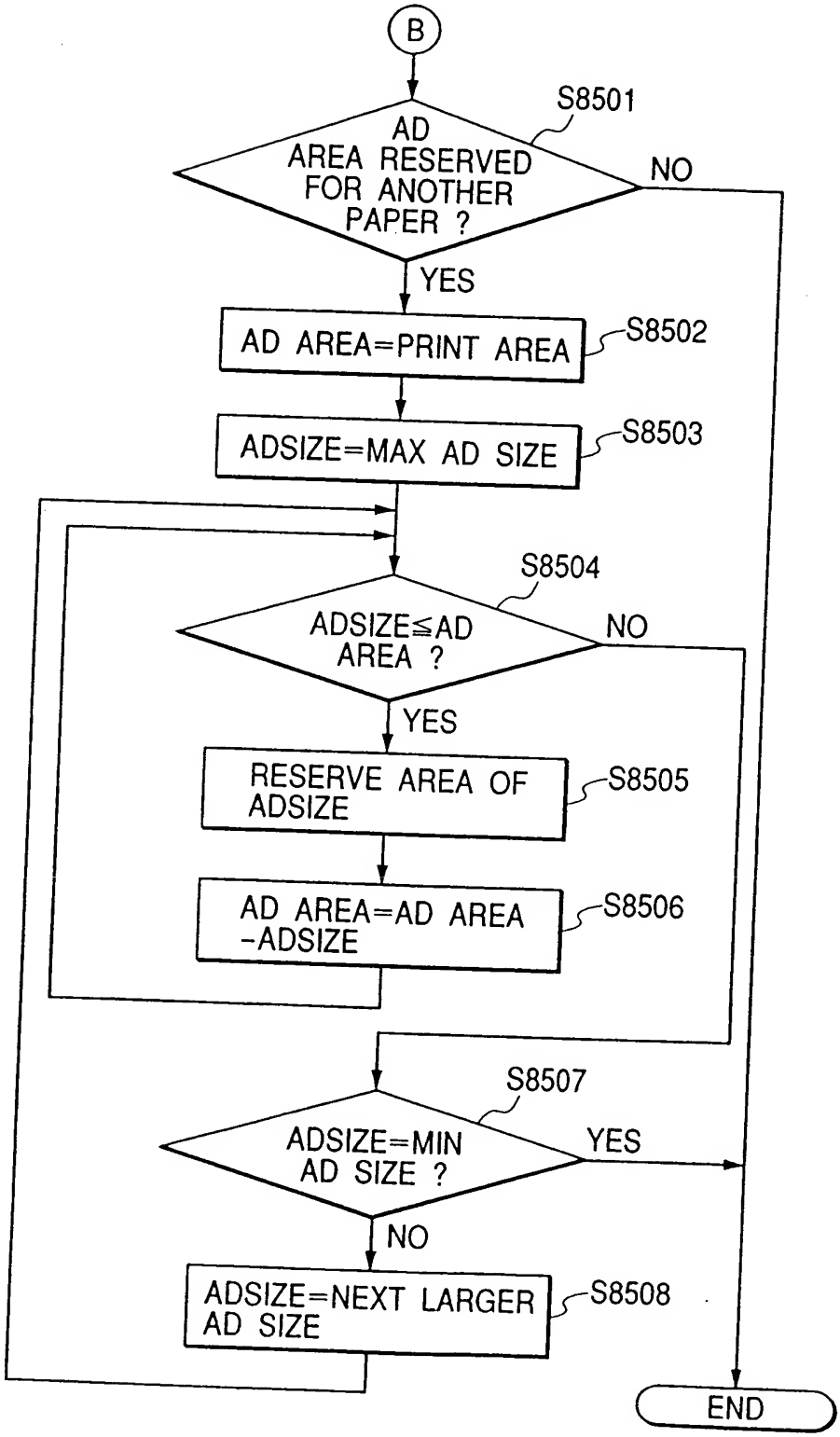

A
S8401
AD AREA RESERVED FOR REVERSE SIDE ?
NO
YES
AD AREA=PRINT AREA
S8402
ADSIZE=MAX AD SIZE
S8403
S8404
ADSIZE≦AD AREA ?
NO
YES
RESERVE AREA OF ADSIZE
S8405
AD AREA=AD AREA -ADSIZE
S8406
S8407
ADSIZE=MIN AD SIZE ?
YES
NO
ADSIZE=NEXT LARGER AD SIZE
S8408
B

FIG. 85


B
S8501
AD AREA RESERVED FOR ANOTHER PAPER ?
NO
YES
AD AREA=PRINT AREA
S8502
ADSIZE=MAX AD SIZE
S8503
S8504
ADSIZE≦AD AREA ?
NO
YES
RESERVE AREA OF ADSIZE
S8505
AD AREA=AD AREA -ADSIZE
S8506
S8507
ADSIZE=MIN AD SIZE ?
YES
NO
ADSIZE=NEXT LARGER AD SIZE
S8508
END